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HEALTH OFFICERS

ANNUAL REPORT, PHILADELPHIA 1881.

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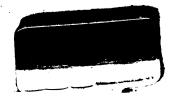
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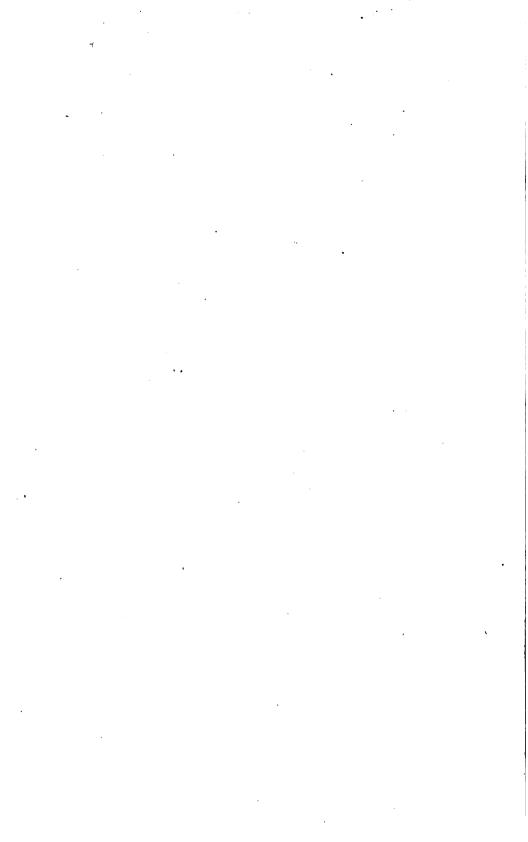
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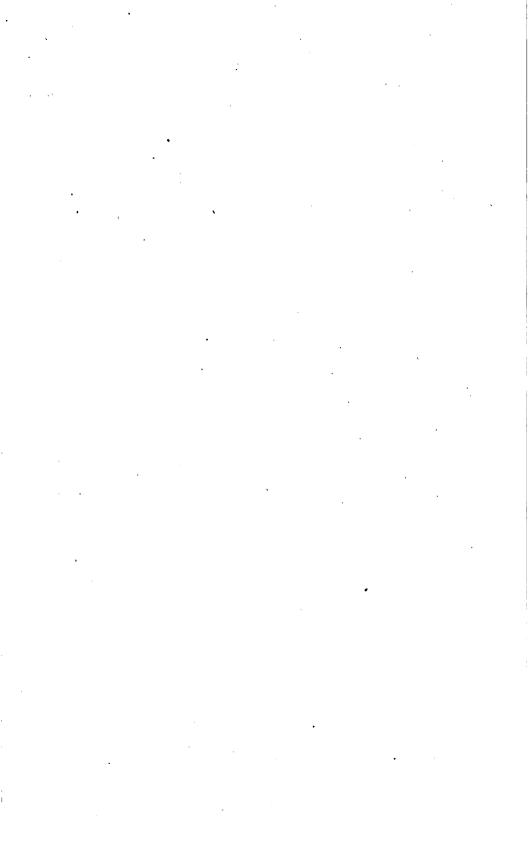
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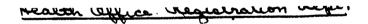
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Health Officer.

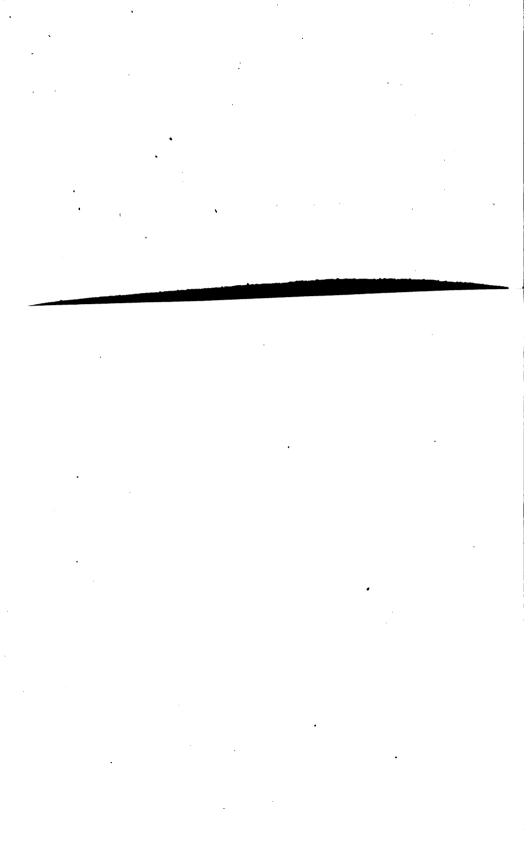
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1881.

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HEALTH OFFICER'S

ANNUAL REPORT

OF

Births, Marriages and Deaths,

FOR THE

CITY OF PHILADELPHIA,

Health Office Registration dept.

1881.

PHILADELPHIA:
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HEALTH OFFICE.

PHILADELPHIA, February 28, 1882.

To the Select and Common Councils of the City of Philadelphia.

GENTLEMEN:-

In obedience to law, I have the honor to present you my Annual Report of the Registration of Births, Marriages, and Deaths, which have occurred in the City during the year eighteen hundred and eighty-one.

With high respect,

Your obedient servant,

JOHN E. ADDICKS, Health Officer.

HEALTH OFFICER'S ANNUAL REPORT

0 F

BIRTHS, MARRIAGES, AND DEATHS.

1881.

REGISTRATION DEPARTMENT.

HEALTH OFFICE, Philadelphia, January, 1882.

To the President and Members of the Board of Health.

GENTLEMEN:—The following abstract of births, marriages, and deaths, as registered in this department is respectfully presented through you to City Councils for the year ending December 31, 1881.

The number of births returned amounted to eighteen thousand one hundred and fifty-four (18,154), a decrease from the previous year of one thousand two hundred and thirty-four (1,234); the number of marriages seven thousand five hundred and sixty-nine (7,569), an increase of one thousand and ninety-three (1,093); and the number of deaths nineteen thousand five hundred and fifteen (19,515), an increase of one thousand eight hundred and four (1,804).

Several additional tables have been added, together with an Appendix, which may give much interesting and valuable information.

The following table shows the ratio of deaths, with population, for the past twenty-one years.

Years.	Population.	Deaths.	Deaths to 1,000 persons living.	Persons living to one death,
861	576,408	13.540	28.49	42.57
62	587,287	13,864	23.60	42.36
863	598,106	14,220	28.73	42.06
364	608,045	15,875	26.10	38.30
865	618,924	15,633	25.25	39.59
366	620,803	15.362	22.80	40.99
367	640,682	12,660	19.76	50.60
368	651,561	13,391	20.39	48.65
369	662,440	13,428	20.27	49.33
370	*674,022	15,317	22.72	44.00
371	700,000	15.485	22.12	45.20
372	725,000	18,987	26.19	38,18
573,	750,000	15.224	20.29	49.26
74	775,000	15.238	19.66	50.86
375	800,000	17.805	22,25	44.93
376	825,594	18.892	22.88	43.69
377	850,856	16,004	18.81	53.16
378	876,118	15,743	17.97	55.65
379	901,380	15,473	17.17	58.25
880.	*846,980	17,711	20.91	47.82
81	868,000	19.515	22.48	44 .47

^{*}United States Census; the intervening years population estimated.

The following comparative table will show the mean temperature of the summer months for the past six years.

Months.	1876.	1877,	1878.	1879.	1880.	1881.
June	74.2°	71.70	67.99	71.7°	73.8°	67,1°
July	78,60	77.80	77.3°	75.6°	75.6°	75 .5 9
August	74.30	75.50	73.4°	72.70	72.80	75.00
September	63.8°	68.80	67.9°	61.40	67.7°	74.8°
Mean	72,72°	72.95°	71.620	71.10°	72,47°	78.1°

The number of deaths from Diphtheria amounted to four hundred and fifty-seven (457), an increase of one hundred and thirty-four (134) over the previous year; the deaths from Scarlet Fever amounted to four hundred and eighty-six (486).

	Diphtheria.	Scarlet Fever.
First quarter	84	122
Second quarter	83	175
Third quarter	100	111
Fourth quarter	190	78
	457	486

The following comparative table shows the number of deaths from each disease for the past fourteen years:

Years.	Diphtheria.	'Scarlet Fever
1868	119	224
1869	182	799
1870	172	956
1871	145	262
1872	150	174
1873	110	319
1874	179	461
1875	652	1,032
1876	708	328
1877	458	379
1878,	464	554
1879	321	336
1880		291
1881	457	486

The number of deaths from Small-Pox amounted to one thousand three hundred and thirty-six (1,336), an increase over the previous year of nine hundred and twelve (912); seven hundred and ten (710) were males, and six hundred and twenty-six (626) were females. See chart and tables of Small-Pox.

BIRTHS.

The number of births registered during the year was eighteen thousand one hundred and fifty-four (18,154), a decrease from the previous year of one thousand two hundred and

thirty-four (1,234), or 6.36 per cent.

The number of male births was nine thousand four hundred and sixty-eight (9,468), a decrease from previous year of five hundred and thirty-nine (539); the female births numbered eight thousand six hundred and eighty-six (8,636), a decrease from previous year of six hundred and twenty-five (625).

The following table will show the number of births in each month, the number of colored and still-births, twins and triplets.

TABLE I.—BIRTHS.

1881.	Totals.	Bir	ths.	Bla	ck.		ill- orn.	wins.	lets.
Months.		M.	F.	M.	F.	М.	F.	Tw	Triplets.
January	1,647	886	761	25	27	50	29	9	
February	1,515	796	719	20	22	36	28	15	1
March	1,504	772	732	18	23	55	40	10	
April	1,386	720	666	25	13	88	29	13	
May	1,437	744	693	27	22	47	32	12	; ; ••••••
June	1,403	72 3	680	16	10	34	34	6	·
July	1,601	831	770	19	13	44	38	20	·
August,	1,554	794	760	19	. 11	36	34	13	·····
September	1,532	8 2 8	704	20	17	27	25	10	1
October	1,502	769	733	15	17	32	17	15	
November,	1,488	759	729	2 3	20	44	22	13	
December	1,585	846	739	31	: 19	46	34	14	
Totals	18,154	9,468	8,686	258	214	489	362	150	

The number of births in each quarter of the year was as follows:

First q	uarter,	ending	March 31	4,666
Second			June 30	4,226
\mathbf{Third}	"		September 30	4,687
Fourth	ı "		December 31	4,575

The following table presents the births in each Ward during the year 1881.

TABLE II.

	ВІ	RTHS IN EACH WA	RD, 188	1,
First	1,098	Twelfth	344	Twenty-third 432
Second	501	Thirteenth	349	Twenty-fourth 1,044
Third	350	Fourteenth	501	Twenty-fifth 754
Fourth	585	Fifteenth	989	Twenty-sixth 948
Fifth	286	Sixteenth	423	Twenty-seventh 505
Sixth	186	Seventeenth	463	Twenty-eighth 655
Seventh	513	Eighteenth	681	Twenty-ninth 1,008
Eighth	297	Nineteenth	1,187	Thirtieth 604
Ninth	160	Twentieth	867	Thirty-first 691
Tenth	414	Twenty-first	300	Unknown 89
Eleventh	351	Twenty-second	629	18,154

The largest number of births occurred in the Nineteenth Ward, one thousand one hundred and eighty-seven (1,187), and the lowest number in the Ninth Ward, one hundred and sixty (160).

MARRIAGES.

The number of marriages registered during the year 1881 amounted to seven thousand five hundred and sixty-nine (7,569), an increase over the previous year of one thousand and ninety-three (1,093), or 16.87 per cent.

The number of marriages in each quarter of the year were as follows:

First qu	uarter,	ending	March 31	1,524
Second			June 30	1,890
Third	"	"	September 30	1,654
Fourth	"	"	December 31	2,501
				7,569

The following table gives the birthplace of those married.

TABLE III.—MARRIAGES. Nativities of the parties.

			Віктн	Total of		
		Nativities.	United States.	Foreign.	Not given.	grooms.
BIRTHPLACE	GROOMS.	United States	5,053 648	171 1,414	11 5	5,235 2,067
BIR	OF (Unknown	32	6	229	267
		Total of brides	5,733	1,591	245	7,569

The number of marriages in which both parties were natives of the United States was five thousand and fifty-three (5,053), and the number of marriages in which both parties were of foreign birth was one thousand four hundred and fourteen (1,414), and the number of marriages in which the nativities of both parties were unknown was two hundred and twenty-nine (229).

The number of men married, natives of the United States, amounted to five thousand two hundred and thirty-five (5,235), and the number of women five thousand seven hundred and thirty-three (5,733); the nativities of two hundred and sixty-seven (267) men and two hundred and forty-five (245) women have been omitted.

The number of men of foreign birth married amounted to two thousand and sixty-seven (2,067), of whom six hundred and forty-eight (648) married women of the United States, one thousand four hundred and fourteen (1,414) married women of foreign birth.

Of the whole number of persons married (of both parties), natives of the United States amounted to ten thousand nine hundred and sixty-eight (10,968); and the number of foreign (of both parties) amounted to three thousand six hundred and fifty-eight (3,658).

The following table will show the ages of the parties married during the year 1881.

TABLE IV.—MARRIAGES. Age of the Parties.

-			; -	AGES	OF T	HE W	OMEN			en.
	1881.	Under 20.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	Not given.	Totalofmen
	Under 20	30	10	1						41
	20 to 25	847	1,643	196	39	1	1	,	15	2,742
MEN.	25 to 30	286	1,332	686	118	12	1	······	9	2,444
X	80 to 40	76	449	490	367	34	1	ļ	10	1,427
THE	40 to 50	12	50	74	164	88	7	1	4	400
OF 1	50 to 60		13	13	49	61	20	6	5	167
83	60 to 70		3	1	9	16	13	5		47
AGES	70 to 80		1	;			1	'	!	2
•	80 to 90		i	·			•	1		1
	Not given	1	8	. 2				·	287	298
Total o	of the women	1,252	3,509	1,463	746	212	44	13	380	7,569

The number of men married under the age of twenty was forty-one (41), while the women (of same age) amounted to one thousand two hundred and fifty-two (1,252); the number of men married between the age of twenty and twenty-five amounted to two-thousand seven hundred and forty-two (2,742), and the number of women between the same age was three thousand five hundred and nine (3,509); the number of men married between twenty-five and thirty years was two thousand four hundred and forty-four (2,444), while the women of same age amounted to one thousand four hundred and sixty-three (1,463); the number of men married between thirty and fifty amounted to one thousand eight hundred and twenty-seven (1,827); forty-seven (47) men married between the age of sixty and seventy; two (2) married between seventy and eighty; and one (1) married between eighty and ninety; thirteen (13) women married between the age of sixty and seventy.

TABLE V.—The following table will show the number of each sex in each division of age married 88 88 879 Ages not given. .06 03 08 64 70 to 80. 23 4 8 .07 ot 08 167 # 711 50 to 60. during the year. \$ 212612 40 to 20. 1,427 2,173 9**F**/ 30 to 40. 1,463 3,907 2,44 .08 of 20. 2,742 3,500 6,251 20 to 25. 1,252 1,293 Under 20. Females... 1881 Total.... Males....

The following table will give the number of marriages soelmnized during the year, with the various ceremonies employed.

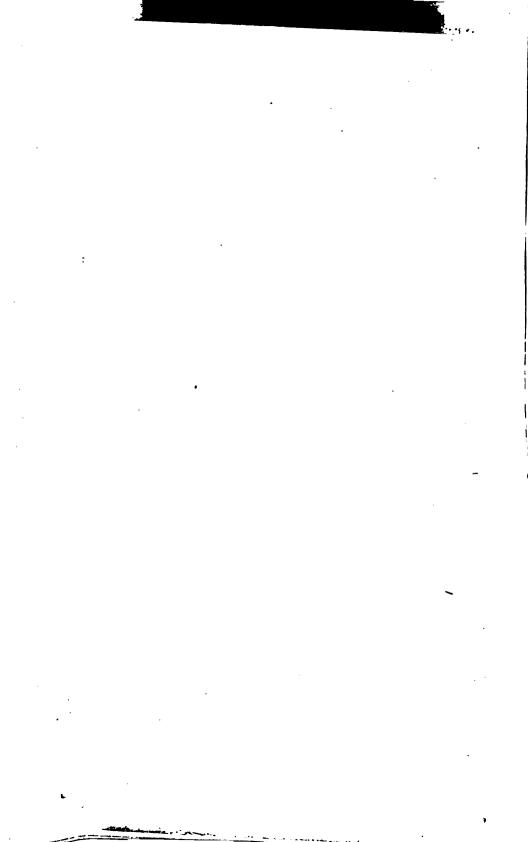
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'	Evangelical Association,	62	63	63	00	ю	9	1-	*	10	10	00	00	14
	Mayor.	4	9	7	4	*	1	61	64	75	6	00	1-	19
	Hebrew.	6	9	œ	63	œ	2	2	က	6	6	4	12	8
	Independent.	7.	က	31	7	7	7	9	က	م	6	16	14	88
-	Alderman.	क्ष	14	2	88	31	32	8	8	8	33	47	48	88
	German Re- formed.	8	8	83	83	8	45	88	83	£ .	35	20	52	412
	Baptist.	48	88	88	8	22	82	8	16	8	47	45	38	512
	Episcopal.	8	49	2	35	33	8	53	55	49	105	101	81	810
	Ргевру terian.	88	72	28	88	7	74	33	43	78	36	35	8	8
	Lutheran.	#	51	82	22	86	61	61	72	82	134	159	157	1014
	Catholic.	100	161	81	118	115	105	6	2	100	125	125	79	1242
	Methodist.	88	691	119	162	159	182	134	139	190	203	167	185	7569 1887
	.alaloT	545	517	462	621	617	652	520	471	98	854	88	814	7569
	1880. Months.	January	February	March	April	May	June	July	August	September	October	November	December	Totals
1	3	, 7	_	-	4	-4			٦	J 2	_	-	_	_

TABLE VII.—The following table shows the number of persons married, including both sexes, in each 16,895 not given. 9 the past twenty-one years, from 1861 to 1881, inclusive. '06 04 08 23 08 04 04 **48888444852884448448** 88 °04 O1 09 1241625686212641216586888 12416826862126412686888 8,310 '09 O1 0G <u></u> 10 00 20 ≘` 214 30 to 40. œ 63,948 .06 ot 32. 104,015 each of i 30 (0.32° 184 Under 20. ī. division of ages, Totals Years.

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The largest number of marriages occurred in the month of October, eight hundred and fifty-four (854), and the lowest number in the month of March, four hundred and sixty-two (462). The Methodist denomination still continue to lead the list, having more than six hundred over the next highest.

The average number of marriages per month, 630
" " week, 141
" day, 21

MORTALITY.

The number of deaths in the City during the year amounted to nineteen thousand five hundred and fifteen (19,515), an increase over the previous year of one thousand eight hundred and four (1,804)

The number of deaths during the ye	ar 1881	, 19,51	5.
White	18,313		
Colored	1,202		
Total			19,515
Males	9,949		,
Females	9,566		•
Total			19,515
Male adults	5,382		•
Female adults	5,126		
Total adults		10,508	
Male children	4,567	•	
Female children	4,440		
Total children		9,007	·
Actual deaths in City	•		19,515
Deaths from specified diseases		18,250	•
Deaths from old age		737	
Deaths from violence (accident, homi-			
cide, and suicide)		512	
Deaths from unknown causes		16	
Total			19,515

In the above figures, the still-born and premature births, and bodies brought to the City for burial, are not included, thus showing the actual mortality in the City.

... TABLE VIII.—Total interments in the City of Philadelphia, from all causes, during the year 1881. 10 128 8 8 8 8 8 8 8 ō 8 B AGES. 8 : 19 : : 9 42 10 10 Girls. Totals. Perineum..... Spine. Rectum..... Stomach..... bdominal. Ovarian..... Psoas..... Alcoholism Parotid Gland Lumbar..... Pelvic..... Strumous of Back..... Ear..... Renal...... OF DEATH. Handular hroat CAUSES Phigh.... onsils... eck Peritoneal ervical.

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Page 38—Continued.

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Deduct deaths in Almshouse, 449; actual deaths in Twenty-seventh Ward, 624,

Female children.....4,440

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The mortality of adults amounted to ten thousand five hundred and eight (10,508), an increase over the previous year of eight hundred and eighty-seven (887), and the mortality of children nine thousand and seven (9,007), an increase over the previous year of nine hundred and seventeen (917).

The number born in the United States amounted to fourteen thousand five hundred and twenty-nine (14,529); four thousand two hundred and fifty-two (4,252) were of foreign birth, and seven hundred and thirty-four (734) whose nativities were unknown.

Abscess.—The number of deaths so reported amounted to eighty-four (84), an increase over the previous year of eleven (11); fifty-two (52) were adults, and thirty-two (32) were children.

Cancer.—The number of deaths amounted to four hundred and thirteen (413), an increase of forty-five (45) over the previous year. (See the table for the classification.)

Cerebro-spinal Meningitis.—The number of deaths so reported amounted to ninety (90), an increase of twelve (12) over the previous year; seventeen (17) were adults, and seventy-three (73) were children; fifty-six (56) were males, and thirty-four (34) were females; forty-five (45) were under five (5) years of age.

Consumption of the Lungs. — The number of deaths amounted to two thousand seven hundred and sixty-eight (2,768), an increase of seventy-six (76) over the previous year; two thousand four hundred and sixty-two (2,462) were adults and three hundred and six (306) were children; one thousand eight hundred and fifty-eight (1,858) were natives of the United States, seven hundred and eighty-nine (789) were of foreign birth, and one hundred and twenty-one (121) whose nativities were unknown.

The deaths in each mor	nth of	the year were as follows:	
January	242	July	169
February			
March	279	September	206
April	260	October	225
May			
June			

The largest number of deaths occurred in the month of December, and the smallest number in the month of July.

The average deaths from this disease in each month, - 230
The average deaths from this disease in each week, - 53
The average deaths from this disease in each day - 7
The number of deaths from Consumption, of both sexes, for the past twenty years, were as follows:

Years.	Males.	Females.	Total.
1862	961	988	1,949
1863	966	989	1,955
1864	1,087	1,002	2,089
1865	1,020	1,006	2,026
1866	994	950	1,944
1867	942	1,005	1,947
1868	1,009	995	1,995
1869	992	993	1,975
1870	1,118	1,190	2,308
1871	1,099	1,138	2,337
1872	1,167	1,163	2,330
1873	1,093	1,198	2,291
1874	1,133	1,171	2,304
1875	1,185	1,174	2,359
1876	1,288	1,388	2,676
1877	1,142	1,207	2,349
1878	1,154	1,337	2,491
1879	1,233	1,248	2,481
1880	1,325	1,367	2,692
1881	1,358	1,410	2,768
*			

Cholera Infantum.—The deaths amounted to nine hundred ond two (902), an increase of eleven (11) over the previous year.

Cholera Morbus. — The number of deaths so reported amounted to forty-eight (48); thirty-eight (38) were adults and ten (10) were children.

Diptheria.—The number of deaths amounted to four hundred and fifty-seven (457), an increase over the previous year of one hundred and thirty-four (134); two hundred and seventeen (217) were males, and two hundred and forty (240) were females; eleven (11) were adults, and four hundred and forty-six (446) were children; the following figures will show the number of deaths from this disease for the past fourteen years:

Years.	ults.	adults.	ildren.	Female children.	DE	ATHS :	IN EACE	I QUAR	TER.
	Mule adults.	Female adults.	Male children	 Female	1st.	2d.	3d.	4th.	Totals.
1868	2	3	51	63	26	24	17	52	119
1869	3	5	75	99	42	48	37	55	182
1870	4	4	68	96	33	25	31	83	172
1871	3	3	71	68	4 8	32	29	36	145
1872	5	5	61	79	52	28	25	45	150
1873	1	2	56	51	45	25	17	23	110
1874	1	4	80	94	30	28	20	101	179
1875	6	7	314	325	116	158	142	236	652
1876	10	8	330	360	219	192	103	194	708
1877	6	7	182	263	120	97	84	157	458
1878	6	11	218	229	135	81	90	158	464
1879	6	5	141	169	130	57	46	88	321
1880	3	6	151	163	99	72	51	101	323
1881	3	8	214	232	84	83	100	190	457

Fever, Scarlet.—The number of deaths amounted to four hundred and eighty-six (486), an increase over the previous year of one hundred and ninety-five (195).

The deaths in each mont	th of	the year were as follows:	
January	46	July	47
February			
March			
April	43	October	26
May			
June			

Philadelphia for the Year 1881.

+2	1 .b0	8 "	91 "	22 "	,, 29	Nov. 5	<i>"</i>	6I "	92 "	Dec. 3	01 "	<i>11 "</i>	" 24	<i>IE "</i>	Weeks Ending
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Hooping Cough. — The number of deaths so reported amounted to one hundred and thirteen (113).

Hydrophobia.—The number of deaths from this much-dreaded disease amounted to five (5), an increase over the previous year of four (4). The following figures show the number of deaths in each year since the year 1860:

Years.	Deaths.	Years.	Deaths.
1860		1871	1
1861	1	1872	1
1862	4	1773	1
1863	6	1874	3
1864	3	1875	2
1865	2	1876	4
1866	2	1877	4
1867	2	1878	2
1868		1879	3
1869	7	1880	1
1870	1	1881	. 5
		Total	55

Inflamation of the Lungs.—The number of deaths amounted to nine hundred and ninety-seven (997); five hundred and eighty-seven (587) were adults, and four hundred and ten (410) were children; five hundred and thirty-one (531) were males, and four hundred and sixty-six (466) were females.

Old Age.—Seven hundred and thirty-seven (737 persons died of old age, of whom two hundred and seventy-five (275) were between the age of seventy and eighty; three hundred and fifty-two (352) between eighty and ninety; ninety-two (92) between ninety and one hundred; and eleven (11) over one hundred.

Poisoning.—The number of ding amounted to eighteen (18);	eaths from accidental poison- they were classified as follows:
Belladonna 1 Coal oil 1 Carbolic acid 2 Chloroform 1 Cyanide of potassium 1	Digitalis 1 Laudanum 8 Opium 2 Paris green 1
Small Pox.—The number of one thousand three hundred and over the previous year of nine h	thirty-six (1,336), an increase
Suicide.—The number of death a decrease of six (6) from the pinine (49) were males, and thir various modes adopted were as f	revious year, of whom forty- teen (13) were females; the
Arsenic 3 Cutting throat 13 Drowning 11 Hanging 21 Jumping from window 1	Laudanum 5 Narcotic poison 1 Shooting 6 Varnish 1
Sunstroke.—Forty-three (43) of (40) were males, and three (3) w	
Tumor.—The number of deat one (51), of whom twelve (12) (38) were females; they were classified the statement of the statemen	hs reported amounted to fifty- were males, and thirty-eight assified as follows:
Abdominal 6 Bowels 1 Brain 13 Head 1 Intrathoracie 1 Larynx 1 Liver 2 Neck 4	Ovarian 11 Parotid gland 1 Rectum 1 Spleen 1 Stomach 1 Upper jaw 1 Uterus 5 Not located 1

The following table shows the percentage of deaths during specified periods of life compared with a similar statement of the mortality in the year 1880.

TABLE IX. (Still-births excluded.)

			188		1881.					
Under			4,003	Baine	~ 00.60	per cent.	4,219	Balma		er cent.
		rear,	'	Беги	_	er cent.		Deini	_	er com.
1 to	2		1,285		7.25		1,365		6.99	
2 to	5	"	1,306	"	7.37	**	1,540	• •	7.88	44
5 to	10	"	671	"	3.78	44	894	44	4.58	**
10 to	15	**	822		1.25	**	387	44	1.98	"
15 to	20	**	508	"	2.84	**	602	"	3.08	44
70 to	30	44	1,834	"	10.35	44	2, 111	"	10.81	"
80 to	40	46	1,657	"	9.35	46	1,985	"	9.91	"
40 to	50	46	1,474	"	8.29	44	1,647	"	8.41	**
50 to	60	44	1,856	**	7.65	44	1,385	"	7.09	**
60 to	70	44	1,360	••	7.67	**	1,413	"	7.24	• •
70 to	80	"	1,174	"	6.62		1,195	"	6.12	44
80 to	90	**	651	**	3.61	"	695	"	3.56	**
90 to	100	"	102		.57	**	112	"	.57	"
100 to	110	"	13	"	.07	**	14	"	.07	"
110 to	1 2 0	"				••••••	. 1			•

The number of children under ten years of age amounted to eight thousand and eighteen (8,018) or 41.06 per cent. of the total mortality, an increase over the previous year of seven hundred and fifty-three (753).

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	-	~ **	ŢŸŸŢĸĸĸŢĸĸĸĸŢŖĸĸĸĸĸĸĸŢ	190 595	es t
		-51	8787888458753888888888888888888888888888		t d
	•	- 1	21222112222222222222222222222222222222	1252 734 1085 809	Deduct deaths in Almshouse, 449.
			2000887112831128312405 8	 	å
ITY.	Kn'n.	i	Z888888474884848888	12	*
2	eign.	10Ч		3	
NATIVITY		Hn'I	88883885815888888883883 <u>88888</u>	14529	
			9-5-2-2-4-0-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		
	1881. Weeks ending.		July August September Cotober November Ince	Totals	
	Q				

TABLE XI.—DEATHS. Adults and Children. (Premature births and still-born excluded.)

905		Total.
000	62-2	1,527
928	664	1,592
1,131	798	1,924
953	708	. 1,661
970	777	1,747
638	586	1,224
690	1, 150	1,840
901	1,071	1,972
765	748	1,508
780	588	1,368
748	590	1,338
1,099	715	1,814
10, 508	9,007	19, 515
19,	515	
	·	19, 515

Excess of adults over children.....

The largest mortality occurred in the month of August, one thousand nine hundred and seventy-two (1,972), and the lowest number in the month of June, one thousand two hundred and twenty-four (1,224); the excess of males over females was three hundred and eighty-three (383), and the adults exceed the children nine hundred and forty-two (942).

Premature births and still-births are not included in the above figures.

The following table of mortality in each Ward, with population (according to late census) with the ratio of deaths to population, and the percentage of deaths in each Ward to the total mortality (still-births not included).

TABLE XII.—Deaths in each Ward.

WARDS.	Popula- tion tenth census.	Area in Square Miles.	Deaths.	Deaths to popu- lation.	Percentage of deaths to total mortality
First	43,085	5.509	1,085	1 in 39	5.55
Second	28,498	.442	809	1 in 35	4.14
Third	18,271	.191	490	1 in 37	2.51
Fourth	18,853	.229	· 595	1 in 31	3.04
Fifth	16,368	.821	500	1 in 32	2.56
Sixth	10,004	.321	206	1 in 48	1.05
Seventh	31,087	.439	834	1 in 37	4.27
Eighth	19,545	.435	440	1 in 44	2.25
Ninth	12,481	.400	227	1 in 55	1.16
Tenth	23,363	.359	422	1 in 55	2.16
Eleventh	12,930	.210	317	1 in 40	1.62
Twelfth	14,690	.193	245	1 in 59	1.25
Thirteenth	• 18,646	.259	340	1 in 54	1.74
Fourteenth		.300	402	1 in 55	2.06
Fifteenth	47,865	1.049	859	1 in 55	4.39
Sixteenth	17,802	.281	424	1 in 42	2.17
Seventeenth	20,451	.251	511	1 in 40	2.61
Eighteenth	29,354	.650	812	1 in 36	4.16
Nineteenth	43.887	.698	1,078	1 in 40	5.52
Twentieth	43,207	.734	874	1 in 49	4.99
Twenty-first	19,699	7.129	344	1 in 57	1.76
Twenty-second	31,798	18.114	523	1 in 60	2.67
Twenty-third	26,522	42.716	465	1 in 57	2.38
Twenty-fourth	46,057	9.725	976	1 in 47	
Twenty-fifth	36,104	10.359	863	1 in 41	
Twenty-sixth	35,138		789	1 in 44	4.04
Twenty-seventh	23,284		624	1 in 37	
Twenty-eighth	34,442	6.343	860		
Twenty-ninth		1.400	877	1 in 46	
Thirtieth	29,100	.519	575	1 in 50	
Thirty-first			701	1 in 44	
Deaths in Almshouse			449		
Totals	846,980	129,450	19,515		

Ratio of deaths to (estimated) population, 868,000 in 1881, 22.48 per thousand, or 44.47 persons living to 1 dead.

WEEK ENDING SATURDAY, JANUARY 8, 1881.

CAUSES	ADULTS	MINORS	C.	AUSES	ADULTS	MINORS,	DEATHS IN EACH	
OF DEATH.	. ADI	MIN	OF	DEATH.	ADU	MIN	WARD.	١.
Abscess	1		Inflam	t'n Bladder	1		First	
" Thigh Aneurism of Aorta.	3			Kidneys Liver	ı	1	SecondThird	
" Popliteal	lï		"	Lungs		9	Fourth	
Asphyxia		1	4.6	Peritoneum			Fifth	
Apoplexy	9		4.4	Pharynx			Sixth	
Bright's Disease	- 1	2	6.6	Pleura		1	Seventh	
Burns and Scalds	2		"	S. & Bowels	1 6	4	Eighth	
Cancer	1	•••••		Tonsils	.,	1	Ninth	
Dreast	2		intemp	erance	6		Tenth	
O CO M			Inaniu	lon	2	- 8	Eleventh Twelfth	
" Œsophagus. " Stomach		•••••	Malari	ceapotu	1		Thirteenth	
" Uterus		•••••	Mania.	a	1 1		Fourteenth	
Casualties			Marasi	nus		4	Fifteenth	
Cerebro-Spinal Men-			Murde	r		1	Sixteenth	
ingitis	2		Necros	is of Femur	. 1		Seventeenth	
Congestion, Brain	1	2	Old Ag	e	. 8	.	Seventeenth Eighteenth Nineteenth	
·· Lungs	4	3	Paraly	sis	. 15		Nineteenth	
171 61		• • • • • • • • • • • • • • • • • • • •	Scroin	24				
Cirrhosis of Liver	2		Septice	emia		1	Twenty-first Twenty-second	
Concussion, Brain	52	2 3		Pox	. 21	94	Twenty-second	
Concussion, Brain Consumpt'n, Lungs. Congestive Chill	92	î	Suicide	e, cutting	. 1		I wenty-uniru	
Convulsions		14	Tetanı	throat			Twenty-fourth	
Troup	1.	11	Tumor	of Abdomer			Twenty-sixth	
Debility Diarrhœa Diphtheria	6	4	1 44101	of Abdomer "Brain	î		Vwanty-savanth	
Diarrhœa	3	· î	Ulcera	tion, Bowels,	Î		Twenty-eighth	
Diphtheria	ļ	8	Uræmi	a				
)ropsv	1 2						Thirtieth	
		, 8	1		231	160	Thirty-first	
Onest		1						
" Heart " Lungs	2	•••••						ľ
	i							ł
	1 -					1	Nativity, etc.	i
" " Heart	1 · 9	j.						
" Heart	1.9	·····				1		1
Disease of Brain '' 'Heart '' Stomach. '' 'Kidneys.	1	1	Of the	a above there we	e :			1
Kidneys. Drowned	1	1	Of the	above there we	10:		United States	:
" ' Kidneys. Drowned Empyema	1	·	Under	1 year			Foreign	:
Drowned Empyema Epilepsy	1	1 1	Under From I	1 year to 2	· · · · · · · · · · · · · · · · · · ·	35	Foreign Unknown	2
TownedEmpyemaEnplepsyEpilepsyErysipelas	1 1 2	1 1 1	Under From 1	1 year to 2 to 5		35	Foreign Unknown People of Color.	2
Title Comment of Kidneys. Drowned	1 1 2 1	1 1	Under From 1	1 year to 2 to 5 to 10		35 29 19	Foreign Unknown People of Color From Almshouse	2
Title Comment of Kidneys. Drowned	1 1 2 1	1 1 1	Under From 1	1 year to 2 to 5 to 10		35 29 19 8	Foreign Unknown People of Color.	:
Crowned	1 1 2 1	1 1 1	Under From 1 2 5 10	1 year to 2 to 5 to 10 to 15 to 20		35 29 19 8 7	Foreign Unknown People of Color From Almshouse	-
Drowned	1 2 1 1	1 1 1 1 1 1 1 1 1 2	Under From 1 5 10 15	1 year		35 29 19 8 7 33	Foreign	-
Drowned	1 2 1 1 1 3	1 1 1	Under From 1 2 10 15 20 30	1 year		35 29 19 8 7 33 44 41	Foreign	-
Drowned	1 2 1 1 1 3	1 1 1 1 1 1 1 1 1 2	Under From I 5 10 15 20 30 40	1 year		35 29 19 8 7 33 44 41 35	Foreign	-
Drowned	1 2 1 1 1 .3 .3	1 1 1 1 12 3	Under From 1 5 10 15 20 30 40 50	1 year		35 29 19 8 7 33 44 41 35 39	Foreign	:
Drowned	1 2 1 1 1 .3 .3 1 1	1 1 1 1 12 3	Under From 1 ' 2 ' 10 ' 15 ' 20 ' 30 ' 40 ' 50 ' 60 ' 70	1 year		35 29 19 8 7 33 44 41 35 39	Foreign Unknown People of Color From Almshouse "M. Hospital Premature Birth. Males	-
Drowned	1 2 1 1 1 	1 1 1 1 12 3	Under From 1 ' 2 ' 5 ' 10 ' 15 ' 20 ' 40 ' 50 ' 60 ' 70 ' 80	1 year		35 29 19 8 7 33 44 41 35 39 19	Foreign	-
Drowned Enpyema Enpyema Erysipelas Enlargement, Heart Fatty degeneration of the Heart Fever Scarlet '' Typhold '' Typhus Fracture of Thigh '' Vertebra. Fozen Fall Stone Jangrene of Leg	1 2 1 1 3 .8 1 1 1 1 1 1	1 1 1 12 3	Under From 1 20 10 20 40 40 50 60 60 70 80 90	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6	Foreign Unknown People of Color From Almshouse "M. Hospital Premature Birth. Males	-
Drowned	1 2 1 1 1 .3 .3 1 1	1 1 1 12 3	Under From 1 20 10 20 40 40 50 60 60 70 80 90	1 year		35 29 19 8 7 33 44 41 35 39 19	Foreign	-
Drowned	1 2 1 1 1 .3 .3 1 1	1 1 1 1 2 3 1	Under From 1 20 10 20 40 40 50 60 60 70 80 90	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6	Foreign	-
Drowned. Empyema Empyema Epilepsy Epilepsy Enlargement, Heart Fatty degeneration of the Heart Fever Scarlet Typhold Typhold Typhus Fracture of Thigh Vertebra. Frozen Jall Stone. Jangrene of Leg Tonsils. Hem'hage, Stomach	1 2 1 1 3 .3 1 1 1 1 1 2 1 1 1 2 1	1 12 3	Under From 1 20 10 20 40 40 50 60 60 70 80 90	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6	Foreign	-
Drowned	1 2 1 1 .3 .3 1 1 1 2 2 1	1 1 1 1 2 3 1	Under From 1 20 10 20 40 40 50 60 60 70 80 90	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6	Foreign Unknown People of Color From Almshouse "M. Hospital Premature Birth. Males Females Total	•
Drowned. Empyema Epilepsy Erysipelas Erysipelas Enlargement, Heart Fatty degeneration of the Heart. Fever Scarlet '' Typhold '' Typhus Fracture of Thigh Frozen Fozen Jangrene of Leg Tonsils. Hem'hage, Stomach '' Psoas '' Umbilicus Hernia	1 2 1 1 3 · 3 · 3 · 1 1 1 1 2 1 · · · · · 1	1 1 1 2 3 	Under From 1 4 5 4 5 4 15 4 20 4 30 4 50 4 60 4 70 4 80 4 90 4 100	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6	Foreign Unknown People of Color From Almshouse "M. Hospital Premature Birth. Males Females Total	-
Drowned. Empyema Empyema Epilepsy. Erlargement, Heart Fatty degeneration of the Heart. "Typhoid. "Typhoid. "Typhus. Fracture of Thigh. "Vertebra. Frozen. Fall Stone. Jangrene of Leg. "Tonsils, Hem'hage, Stomach "Umbilicus. Hernia. Hooping Cough.	1 2 1 1 	1 12 3	Under From 1	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6 1	Foreign Unknown People of Color From Almshouse "M. Hospital Premature Birth. Males Females Total Still-Born.	
Drowned. Empyema Epilepsy Erysipelas Erysipelas Enlargement, Heart Fatty degeneration of the Heart. Fever Scarlet '' Typhold '' Typhus Fracture of Thigh Frozen Fozen Jangrene of Leg Tonsils. Hem'hage, Stomach '' Psoas '' Umbilicus Hernia	1 1 2 1 1 1 1 1 1 1 1 2 1 1 2 1 1 2 2	1 1 1 2 3 	Under From 1 '' 5 '' 10 '' 15 '' 20 '' 30 '' 40 '' 60 '' 70 '' 90 '' 100 Males Femal	1 year		35 29 19 8 7 33 44 41 35 39 19 13 6 1	Foreign	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, JANUARY 8, 1881.

2 30.23 30.29 30.29 30.29 16 23 19 19 2 27 13 83 73 69 F. N. N. N. N. N. N. N. N. N. N. N. N. N.	Month and Day.		BARO	BAROMETER.		ĺ	THE	REME	THERMOMETER.	ER.	-1-1-	RELATIVE	LIVE	 DIR	DIRECTION OF WIND.		VEI	VELOC' OF WIND.	>	STATI	STATE OF WEATHER.	THER.	RAIN
30·24 30·23 30·29 30·28 16 23·19 19·2 27 13 83 73 69 E S W W 8 3 30·24 30·21 30·27 30·24 15 32 30 26·7 36 11 82 69 78 W W W 4 4 30·23 30·21 30·06 30·14 32 28 30·30 34 23 89 88 89 0 ME NE NE NE 11 29·64 29·72 29·87 29·94 28 33 34·7 40 32 100 91 89 NE NE NE 11 29·64 29·72 29·87 29·78 34 39 33 34·7 40 32 100 91 89 NE NE NE NE 11 30·06 30·16 30·41 30·26 29 39 31 32·5 40 26 100 73 79 W NW NW 10 1 30·06 30·15 30·25 30·25 32 23·5 32 20 86 64 73 N E NE 9	1881. JANUARY.	.M .A 7	2 P. M.	9 P. M.	Ween Daily and Value	.M.A.7	ı- — —		Value Ream	muminik		.M.A. M.		 .w.A.	.M.92	9 Р. М.	.M.A7		9 P. M.	7 A. M.	2 P. M.	9 P. M.	IR.
3 30.24 30.24 15 32 30.67 36 11 82 69 78 W W W 4 4 30.23 30.21 30.04 32 30 30.0 34 23 89 88 89 68 89 N K W <t< td=""><td></td><td>30.30</td><td>30.53</td><td>30.29</td><td>30-28</td><td>16</td><td>প্ত</td><td>191</td><td>9.5</td><td>77.</td><td></td><td></td><td></td><td></td><td>W</td><td>≱</td><td>က</td><td></td><td>ಣ</td><td>Cloudy</td><td>Clear</td><td>Clear</td><td>*.03</td></t<>		30.30	30.53	30.29	30-28	16	প্ত	191	9.5	77.					W	≱	က		ಣ	Cloudy	Clear	Clear	*.03
4 30-23 30-21 30-06 30-14 32 28 30 30-0 34 23 89 88 89 coain F F 0 5 29-97 29-96 29-92 29-94 28 33 32 31-2 34 27 88 89 89 NE NE NE NI 6 29-64 29-72 29-87 29-78 34 39 33 34-7 40 32 100 91 89 NE W SW 13 7 30-65 30-16 30-41 30-26 29 39 31 32-5 40 26 100 73 79 W NW NW 10 1 8 30-55 30-52 30-54 30-54 21 27 23 23-5 32 30 86 64 73 N F N F 9		30.24	30.21	30.27	30.24	15	32	$^{-20}_{-2}$	3. 2.9%	36.1				≽	×	*	4		4	Foggy	Clear	Cloudy	8 .
6 29.97 29.97 29.96 29.97 29.99 28.93 32 31.2 34 7 40 88 89 89 NE NE NE NI NI 11 6 29.64 29.72 29.72 29.72 29.39 33.47 40.32 100 73 79 NK NK NK 100 7 30.05 30.16 30.54 30.55 30.55 32.5 32.5 32.90 86 64 73 N K K N 100 100 8 30.55 30.54 30.54 21.27 23.23.5 32.20 86 64 73 N K K K N N IO	uesday, 4	30.23	30.21	30.06	30-14	32	8	-96 -03	3 0.0	- 7 -				 nle n	· 딸	田	0	4	4	Cloudy	Light Snow	Light Snow	*.32
6 29.64 29.72 29.87 20.78 34 39 38 34.7 40 32 100 91 89 NE W S W 13 13 30.05 30.15 30.54 30.54 21 27 23 23.5 32 20 86 64 73 N E NE 9 14 15 15 15 15 15 15 15			96.68	3 29-92	29.94	8	_ 88_	32.5	31.2	- 4 2						NE	=		12	Cloudy	Cloudy	Light Rain	4.30
7 30.05 30.16 30.41 30.26 29 39 31 32.5 40 26 100 73 79 W NWNW 8 30.55 30.52 30.54 30.54 21 27 23 23.5 32 20 86 64 73 N F NE	hursday, 6	29.64	29.72	29.87	82.67	34	33		7.4	2	<u>-1</u>			 H		8	13		13	Lt Rain	4 13 'Lt Rain Cloudy	Foggy	1.38
8 30·55 30·52 30·54 30·54 21 27 23 23·5 32 20 86 64 73 N E NE 9 4 5		30.05	30.16	3 30-41	30.26	53	68	3	32.5	-50	19				W	N N	10	12	16	Foggy	Cloudy	Clear	99
30.17		30.25	30.25	30.54	30.54	21	27	-83-	33.5	32-				 z		Z				Clear	Cloudy	Fair	Ş
	Means				30.17	<u> </u>	_!:_		8.3	i			+ +	1 :			1 . :	<u> :</u>					1.03

† Melted snow and Rain. # Rain. The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. * Melted snow. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING, SATURDAY, JANUARY 15, 1881.

			-				-
CAUSES	, <u>2</u>	83	CAUSES	5	RS	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
	٠,	· •		· -		'	
Aneurism of the			Infla'tn S.& Bowels.	1 .	4	First	22
Aorta	1		"Tonsils	1	1 1	Second	17
Anemia	1		Intemperance	1		Third	10
Asthma	1		Insanity	1		Fourth	6
Apoplexy	6 8	•••••	Inanition Marasmus	Ι,		Fifth	9
Bright's Disease Cancer of the Bowels			Murder		*	Seventh	16
" "Tiver	9		Neuralgia of Heart.	. i :		Eighth	iŏ
" "Rectum	. 1		Old Age	16		Eighth Ninth	7
" Stomach	1		Obstruction, Bowels	1	•••••	Tenth	8
O oct un	1 3		Paralysis Purpura Hemorrha-	- 4	•••••	Eleventh Twelfth	6 5
Casualties Cerebro-SpinalMen-		į	gica	1		Thirteenth	7
ingitis		1 3	Pvemia	. 3		Fourteenth	9
Congestion of the	1 .		RheumatismScrofula		2	Fifteenth	18
Dwolin	.,	2	Scrofula		1	Sixteenth	8
Congestion of the	l. 3		Septicæmia Sore Mouth	. 1	1	Seventeenth	10
Lungs Cirrhosis of Liver	,		Softening of Brain	2		Eighteenth Nineteenth	23
Compress'n of Brain	. 1		" Stomach,	ī		Twentieth	77
Consumpt'n Bowels	2		Small Pox	. 19	21	Twenty-first	3
Consumpt'n Lungs.		5	Syphilis	. 1	i	Twenty-first Twenty-second	6
Congestive Chill	<u>;</u> 1	16	Tetanus				16 18
Croup		5	Tumor of Brain,	i		Twenty-fifth	13
Cvanosis		ίí	Ulceration, Bowels.	. î		Twenty-sixth	13
Cyanosis Debility	4	2	Ulceration, Bowels Stomach,	. 1		Twenty-sixth Twenty-seventh Twenty-eighth	16
Diahatas	1 1		Urtemia	1	1	Twenty-eighth	21
Diphtheria	·····	11					16 14
" Abdominal	ំ រំ	1		219	147	Thirtieth Thirty-first	13
or me brain.	·	1		_		Unknown	00
AACUA U		1					
Disease of Brain		1					
" Heart " Hip & Spine		1				·	
Disease of Liver	2					Nativity, etc.	
Emphysema, Lungs	ī	1	Of the above there wer	re :		,	
Epilepsy	. 1		Under 1 year		56		
Erysipelas	3	1	From 1 to 2		15	United States	
Embolism of Brain Exposure		'''i'	" 2 to 5		39	Foreign	88
Fatty degeneration		1	' 5 to 10		17	People of Color	12 29
of the Heart	. 1	ļ	10 to 15	•••••	6 14	From Almshouse	5
Fever Remittent		1-:::-	" 20 to 30		51	" M. Hospital	8
" Scarlet		14	'' 30 to 40		41	l ·	
"Typhoid "Typhus			'' 40 to 50		41		
Gangrene, Scrotum			' 50 to 60			Premature Birth.	
Hemorrhage, Brain	. 2				17 22	Malon	63
" Lungs	., 1	1	'' 80 to 90,			Males Females	3
Ошотиска	. '	$\frac{2}{3}$	'' 90 to 100		0	Total	5
Hooping Cough Hypertrophy, Heart	1	1	" 100 to 110	· 	0	1	.,
Hypertrophy, Heart Inflammat'n, Brain '' Bronchi	i	7				!!	-
" Bronchi	3	1i			t	Still-Born.	
" Bladder	. 1					SUII-DOFE.	
Kiuneys		1	Malas		150		
" Larynx " Lungs		12	MalesFemales		179	Males	9
" Peritoneum	14	l ï	Boys		64	Females	7
" Pleura		ļ	Girls		83		16
		1			l		
		•	the second second				

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

Week Ending Saturday, January 15, 1881.

z	. 1	93	90	7	:	8	ख	Ş	1 2
RAIN	ž	0 1 *	11.28	1.04	÷÷	<u>ب</u>	+.25	· =====	5.00
ين	9 P. M.	Light Rain	Cloudy	Light Snow	Clear	Cloudy	Clear	Cloudy	l of the sea, * Melted snow and rain.
тнв					ပ 			<u>ව</u> .	and
WEA	2 P. M.	Heavy Snow	Cloudy	udy	Clear	Cloudy	Sloudy	Cloudy	wous
STATE OF WEATHER.	8			NE 12 4 8 Cloudy Cloudy	5	Clo	_್ಟ	<u>ප</u> ි .	lted
STAT	7 A. M.	udy	Heavy	udy	Clear	Fair	Light Rain	Clear	* W
	7 A	14 18 Cloudy	HE	Clo	5	Ĕ	ijĸ	5	, eg
G.K	9 P. M.	:	8 20 14	∞	4	4 12 12	37	4	he se
VELOC'Y OF WIND.	7 A. M.	4 18	<u>8</u>	<u>- 61</u> - 21	12 12	4 12	6 28 37	12	of t
2		==-i		<u>ප</u>					- evel
10N 1D.	.M.T 6	<u> </u>	Z		≱ .	SW.	Z	20 2	l usx
DIRECTION OF WIND.	2 P. M.	田	NW	87 76 100 NE NE	Z	S.W.	Z	Z	feans 30.06
10	.M.A7	ভ	NE	NE	Z	2Ω	S	Z	bove t
TYE	9 P. M.	87 100	82. 79	100	74	73	85	22	Bet a
RELATIVE HUMIDITY	2 Р. М.	87		92	53	3	83	53	6-9
KE	.M.A 7	98	100	87	88	-92	88	9 18 22 17.7 23 9 78	r is
	.mominik	18	8	क्ष	17	21	12	6	net :
TER	.mrmixeM	. 89	41	32	34	4	2	্ষ	: gr
THERMOMETER.	Mean Daily Value.	26.7	34.5	35 .0	73.5	37.0	24.7	17.7	
KR.	M. 9 P. M.	31	31	2	2	4	14	83	
E	2 P. M.	\$	4	. 27	:27	41	8	18	: E
	.M.A 7	5	86	8	31-	2	- 4		1 : 3
	Mean Daily Value.	0.37	9.92	0.14	0.17	06-6	9.85	0.18	0.09
ER.	· · i	143	62	11:3	<u>8</u>	32.2	<u>8</u>	8	- E ii
MET	.м.ч в	30.1	30.	30.1	30.1	3.63	30.	30.5	ury
BAROMETER.	ъ. м.	30-45 30-33 30-14 30-37 21 24 31-26-7 33 18	29.75 29.82 30.06 29.92 36 40 31 34.5 41 30 100	0.15	30-13 30-17 30-18 30-17 18 27 24 23-2 34 17	06.6	37.6	30-16 30-18 30-20 30-18	merc
ai .		£ 33	75.2	183	133	:05 2	7.99	.16 3	the
	.M.A 7		83	Tuesday, 11 30-18 30-15 30-11 30-14 25 27 24 25 0 32 23		Thursd'y,13 30.05 29.90 29.82 29.90 27 41 40 37.0 44 21	14 29.66 29.75 30.00 29.85 42 29 14 24.7 43 12	8	
Day.	ñY.		Monday, 10	', 11	Wed's'y, 12	y,13	14	Saturday, 15	s
Month and Day.	1881. JANUARY.	Sunday,	lay	day	8 ,8	sd'	Friday,	rda	Means
4	AN	ınd	onc	ies	'ed'	n	rid£	tur	Me Th
, ¥	J.	$ar{\mathbf{x}}$	X	Ţ	>	T	Ξ	Z.	1

WEEK ENDING SATURDAY, JANUARY 22, 1881.

CAUSES	LIS	ORS	CAUSES	5	ORS	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
Abscess of Liver		1	Inflam'ation,Pleura	ī		First	1
Anemia		1	S. & Bowels.	5	ļ	Second	1
Aneurism, Aorta	1	·····	TOHOITO	2	1	Third	١.
'' Thorax Asthma	1 2		Intemperance	î	7	Fourth	1
Asphyxia		1	Intussusception	î		Sixth	ł
Apoplexy	7	1	Marasmus			Seventh	1
Bright's Disease	7	i	Old Age	16		Eighth	1 1
Cancer, Bowels	i	ļ	Paralysis	6	1	Ninth	
" Breast	Ĩ		Pytalism	Ĩ.		Tenth	l
" Muscles of		1	Pyemia	2		Eleventh	
Chest	1		Rheumatism		1	Twelfth	ı
Cancer, Stomach	1		Scrofula		1	Thirteenth	1
" Pylorus	1	····	Softening of Brain	1	1	Fourteenth	
Casualties	2	1	Heart	1 .		Fifteenth]
Cerebro-SpinalMen-	1		Small Pox	16	31	Sixteenth	i.
ingitis	3	3	Suicide, Cutting	,		Seventeenth	1
Congestion, Brain	2	2		1	;	Eighteenth	1
" Lungs " Kidneys		-	Syphilis Tumor of Liver	1	1	Nineteenth Twentieth	1
Chicken Pox		1	" Ovarlan	2	•••••	Twenty-first	•
Cirrhosis of Liver	3		Wounds, Gunshot		· • • • • • • • • • • • • • • • • • • •	Twenty-second	
Consumpt'n, Lungs.		4	wounds, Ganshot			Twenty-third	1
Convulsions		6		430=		Twenty-fourth	ī
Croup	1	. 6	. 1	227	141	Twenty-fifth	ì
vanosis		2	, •	—	_	Twenty-sixth	•
Debility Diarrhœa	В	2		i		Twenty-seventh	2
Diarrhœa		1		- 1		Twenty-seventh Twenty-eighth	2
Diphtheria	l . 	13		- 1		Twenty-ninth	1
Dropsy	1					Thirtieth	1
" Brain " Heart	1	1				Thirty-first	1
Disease of Brain Heart	1 14	2	Of the above there were	: :			_
Effusion on Brain		- 5	IT., 3 1				
" Pleural Cavity	1	-	Under 1 year From 1 to 2	••••	49	Nativity, etc.	
		1	" 2 to 5		24		
Cpilepsy	1		4 10 /		30 i	,	
Epilepsy Erysipelas	2						
Epilepsy Erysipelas Enlargement, Liver		ı	" 5 to 10		15 .	United States	
Erysipelas Enlargement, Liver '' Pros. Gl'd	2 1	1 	'' 5 to 10 '' 10 to 15 '' 15 to 20		8	Foreign	9
Erysipelas Enlargement, Liver '' Pros. Gl'd Empyema	2 1 1	ı	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30		8 15	ForeignUnknown	9
ErysipelasEnlargement, Liver "Pros. Gl'd EmpyemaExposure	2 1	1 	'' 5 to 10		8 15	ForeignUnknown	9
Erysipelas Enlargement, Liver Pros. Gl'd Empyema Exposure Patty degeneration	2 1 1 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50		8 15	Foreign Unknown People of Color From Almshouse	9
Erysipelas. Enlargement, Liver ' Pros. Gl'd Empyema Exposure 'atty degeneration of Heart	2 1 1 1	1	' 5 to 10		8 15 49 42	ForeignUnknown	9
Erysipelas. Inlargement, Liver Pros. Gl'd Exposure atty degeneration of Heart ever, Intermittent	2 1 1 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60		8 15 49 42 38 21 33	Foreign Unknown People of Color From Almshouse	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema Exposure Atty degeneration of Heart Ever, Intermittent Puerperal	2 1 1 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 60 to 70 ' 70 to 80		8 15 49 42 38 21 33 36	Foreign	9
Crysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Patty degeneration of Heart. Vever, Intermittent Puerperal. "Rheumatic	2 1 1 1	1	" 5 to 10" " 10 to 15		8 15 49 42 38 21 33 36 8	Foreign Unknown People of Color From Almshouse	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Catty degeneration of Heart. Pever, Intermittent Rheumatic. Scarlet.	2 1 1 1 2 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 8 0	Foreign	9
Crysipelas. Crysipelas. Pros. Gl'd Cryposure. Caty degeneration of Heart. Cryposure. Cryposure. Rheumatic. Scarlet. Typhoid.	2 1 1 1 1 2 1 2 9	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 60 to 70 ' 70 to 80 ' 80 to 90 ' 90 to 100.		8 15 49 42 38 21 33 36 8	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Exposure. Satty degeneration of Heart. Puerperal. Rheumatic. Scarlet. Typhoid. Hangrene.	1 1 1 1 2 1 2 9 1	1 1 3 3	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema Exposure Satty degeneration of Heart Vever, Intermittent Exposure Exposure Scarlet Typhoid dangrene demorrhage, Lungs	1 1 1 1 2 1 2 9 1 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Catty degeneration of Heart. Cever, Intermittent Puerperal. Rheumatic. Scarlet. Typhold. Hangrene. Hernia, Stranglat'd Heart. Heart Clot.	1 1 1 1 2 1 2 9 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9:
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema Exposure Fatty degeneration of Heart Fever, Intermittent Puerperal Rheumatic Scarlet Typhoid Langrene Hernia, Stranglat'd Hemorrhage, Lungs Heart Clot Hooping Cough	2 1 1 1 1 2 1 2 9 1 1 1	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema Exposure Fatty degeneration of Heart Fever, Intermittent Puerperal Rheumatic Scarlet Typhoid Langrene Hernia, Stranglat'd Hemorrhage, Lungs Heart Clot Hooping Cough	1 1 1 1 2 1 2 9 1 1 1 1 1 2	1 1 3 3	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Patty degeneration of Heart. Pever, Intermittent Rheumatic. Scarlet. Typhoid Langrene. Hernia, Stranglat'd Hemorrhage, Lungs Heart Clot. Looping Cough. Liypertrophy, Heart Inflammat'n, Brain	2 1 1 1 2 9 1 1 1 1 2 9	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema Exposure Satty degeneration of Heart Vever, Intermittent Exposure Scarlet Typhoid dengrene Hernia, Stranglat'd lemorrhage, Lungs Heart Clot Hooping Cough Hypertrophy, Heart nfammat'n, Brain Bronchi	2 1 1 1 2 9 1 1 1 1 2 9 1 1 1 2 2 2 2 2	1 1 3 3	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 70 to 80 ' 80 to 90 ' 90 to 100		8 15 49 42 38 21 33 6 0	Foreign	9
Crysipelas. Cinlargement, Liver "Pros. Gl'd Empyema Exposure. "atty degeneration of Heart. "Pever, Intermittent "Puerperal. "Rheumatic. "Scarlet. "Typhoid. Gangrene. Hernia, Stranglat'd Hemorrhage, Lungs Heart Clot. Hooping Cough. Hypertrophy, Heart nfiammat'n, Brain "Bronchi. "Kidneys	2 1 1 1 2 9 1 1 1 1 2 9	1	' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 40 ' 60 to 70 ' 70 to 80 ' 90 to 100 ' 100 to 110		8 15 49 42 38 21 33 36 8 0	Foreign	9:
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Patty degeneration of Heart. Pever, Intermittent Exposure. Rheumatic. Scarlet. Typhoid. Hernia, Stranglat'd Hemorrhage, Lungs Heart Clot. Hooping Cough. Hypertrophy, Heart Hammat'n, Brain Kidneys. Larynx.	2 1 1 1 1 2 1 2 9 1 1 1 1 1 2 2 9 1 1 1 1	1	" 5 to 10" " 10 to 15		8 15 49 42 38 21 33 36 8 0	Foreign	9:
Erysipelas. Enlargement, Liver Pros. Gl'd Empyema. Exposure. Satty degeneration of Heart. Sever, Intermittent Sever, Intermittent Sever, Intermittent Searlet. Typhoid Hemorrhage, Lungs Heart Clot. Hooping Cough Hypertrophy, Heart nflammat'n, Brain Kidneys. Kidneys. Larynx Lungs.	2 1 1 1 1 1 2 1 2 9 1 1 1 1 1 2 2 2 2 2 2	1	" 5 to 10" " 10 to 15		8 15 49 42 33 36 8 0 0	Foreign	286 90 90 91 91 91 91 91 91 91 91 91 91 91 91 91
Crysipelas. Chlargement, Liver "Pros. Gl'd Empyema Exposure. "atty degeneration of Heart. "Puerperal. "Rheumatic. "Scarlet. "Typhoid. dangrene. Henria, Stranglat'd Hemorrhage, Lungs Heart Clot. Hooping Cough. Hypertrophy, Heart nfiammat'n, Brain "Bronchi. "Kidneys. "Larynx. "Lungs.	2 1 1 1 1 2 1 2 9 1 1 1 1 1 2 2 9 1 1 1 1	1	" 5 to 10" " 10 to 15		8 15 49 42 33 36 8 0 0	Foreign	9:

METROROLOGICAL ÔBSERVATIONS TAKEN AT THE ŚIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, JANUARY 22, 1881.

Month and Day.		BAI	BAROMETER.	ER.		F	HE	RMO	THERMOMETER.	2		RELA	BELATIVE HUMIDITY		DIRECTION OF WIND.	ECTION WIND.	>	ELOC' OF WIND	VELOC'Y OF WIND.	STA	STATE OF WEATHER.	THER.	BAIN
1881. JANUARY	' 	.M .A 7	.м.ч г	.м.ч е	Mean Daily Value.	.M.A7	2 P. M.	M. 9 9. M.	Mean Daily Value.	-mrmlxsM	Minimum.	M.A.	2 P. M. 9 9 P. M.	.M.A.	.M.T.	9 Р. М.	.M.A.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	JR.
Sunday,	16 3	0.50	81.0	16 30 20 30 18 30 22 30 21	30.21	18	18 25 24	242	22.7 28 17	- 📆		- 8	$-\frac{75}{8}$	89 E	H	NE		·	6	4 Cloudy	Cloudy	Cloudy	8
Monday, 17	17.3	0.27	88.0	30.55	30.27 30.38 30.55 30.44	ध	36	-38	25 36 28 29·2 37	× 27 ×	. 83	75	7	Z Z	Z	Z		8	20 12	Cloudy	Clear	Clear	8
Tuesday, 18	18 3	389.0	30.65	30.57	30.68 30.65 30.57 30.62	କ୍ଷ	34	-3 8	20 34 28 27 5 35	35	8	<u>-2</u>	52 7	Z 2	NE.	E	74	4	4	Clear	Cloudy	Threat- ening	9
Wed's'y,	19	98.0	61.0	30.18	30-36 30-19 30-18 30-23	27	22	30	30.2 39		97	88	79 7	78 NE	M N E	N N N		- 61	5 4	Light	Clear	Clear	†·19
Thurs'y,	82	0.15	90.08	29.97	30.15 30.06 29.97 30.04		23 36	83	29.2 37	37.2	83		53	N 68	E	<u></u> 퍼	_	- 9 - 9	4		Clear	Threat- ening	: ++
Friday,	21 2	9.55	39.58	29.44	29·55 29·28 29·44 29·43		#	36	33 41 36 36 5 42 28			100 100		90 NE	된 	×	*Brisk		12 16	Light Rain	Light Rain	Cloudy	% 44.
Saturday, 22 29.70 29.81	22,	02-6		29.92	29.95 29.85	37	39 35	35	36.5	30	33	81	55 7	70 W		M N. M N		16 23	ж •	Cloudy	Cloudy	Cloudy	è
Means.	 				30.11		1	:	30.3	 	 	† †					 : :		 :				

‡ Precipitation too small to measure. The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer coroected for temperature, elevation above sea, and instrumental error. + Melted snow. Anemometer frozen with sleet, and stopped.

d Rain.

WEEK ENDING SATURDAY, JANUARY 29, 1881.

CAUSES	ADULTS.	MINORS.	CAUSES	ADULTS.	MINORS.	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF DEATH.	ADU	MIN	WARD.	
Abacagas		1	Inflammation of S.			First	-
Abscess of Ear		i	& Bowels	4	5	Second	22 13
" Spine	1		" Uterus		í	Third	- 8
Apoplexy	6	·	Intemperance	1		Fourth	18
Bright's Disease	3		Inanition	••••	10	Fifth	11
Cancer of Liver	6		Marasmus	••••		Sixth	1
" " Rectum	1 2		Measles	19	1	Seventh	16
" " Uterus Casualties	4		Obstruction, Bowels	10	•••••	Ninth	7 6
Cerebro-SpinalMen-		-	Paralysis	5		Tenth	8
ingitis	1	2	Perforation, Bowels.			Eleventh	5
Congestion, Brain	1	3	Rheumatism, Heart	1		Twelfth	8
··· Lungs	2	1	Scroinia		1	Thirteenth	- 5
Cholera Infantum		1	Softening, Brain	.3 18	90	Fourteenth	.5
Cirrhosis of Liver	2	••••	Small Pox Stenosis of Valves	16	38	Fifteenth	23
Concussion, Brain Consumpt'n, Lungs	59	5	of Heart	1		Seventeenth	- 8 8
Convulsions		19	Syphilis	1	2	Eighteenth	16
Croup		5	Syncope	1		Nineteenth	16
Cvanosis		2	Tabes Messenterica		1	Twentieth	19
Debility	2	1	Tetanus	1		Twenty-first	3
Diabetes	1	•••••	TrismusNascenti'm		3	Twenty-second	13
Diarrhœa Diphtheria	3	- 111	Ulceration, Bowels	1	•••••	Twenty-third	13
Drongy	1	5	Unknown	,	1	Twenty-fourth Twenty-fifth	23
Dropsyof Brain		3	Uræmia			Twenty-sixth	16 15
" Chest		2		4900	174	Twenty-seventh	25
· · · · Heart	1	2				Twenty-eighth	17
Disease of _ ''		1				Twenty-ninth	22
'' Liver	1					Thirtieth	15
Effusion, Brain		1				Thirty-first	17
Emphysema, Lungs	1 2						
Epilepsy Erysipelas	3	2			l		
Enlargement, Heart	2		Of the above there were		Ī	N-44-4	
Liver				•	İ	Nativity, etc.	
Fatty degeneration	_		Under 1 year		64		
of Heart	3	****	From 1 to 2		81	United States	200
Fatty degeneration of Liver	,		2 to 5	•••••	35		288 93
Fever, Intermittent	1	•••••	5 to 10	•••••	16 16		21
" Puerperal					12	People of Color	19
" Scarlet	1	14	** 20 to 30		50	From Almshouse	ii
Typhoid	4	1	44 30 to 40	•••••	41	" M. Hospital	7
Heart Clot		····	" 40 to 50		27		
Hommorrhage '' Brain		1	00 00 00		38		
"Intestines.			" 60 to 70 " 70 to 80		31 23	Premature Birth.	
"Kidneys			' 80 to 90		16		
" Lungs	l î		'' 90 to 100		i		
" Spleen	Ī		" 100 to 110		ī	Males	2
" Internal		·	i			Females	ī
Hooping Cough		ļ	Ì			Total	3
Hypertrophy, Heart Inflammat'n, Brain.	•••••	8	İ		}	i	
"Bronchi	4	6	1				
"Kidneys	1	ì			1	Stil-Born.	
" Larynx	i				1		
" Liver	î		Males		199		
'' Lungs	27	13	Females		203		14
" Pericardium.	1		Boys	•••••	87	Females	7
· Peritoneum	3	1	Girls	•••••	87	Total	21
" Pericardium.		1	Girls	•••••	87 87	Total	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

1882.
ર્જ્સ
JANUARY
SATURDAY,
Ending
WEEK

RAIN	IN.	ş	.: *	\$; *	ş	\$	ê.	*
HER.	9 P. M.	Clear	Clear	Clear	Cloudy	Clear	Clear	Fair	
STATE OF WEATHER.	2 P. M.	Fair	Fair	Fair	Fair	Cloudy	Fair	Cloudy	
STATE	7 A. M.	Clear	Cloudy	Clear	Cloudy	Clear	Clear	4 Cloudy	
¥ .	9 P. M.	14	4	4	7 12 9	15	27		1 :
VELOC'Y OF WIND.	1 2 P. M.	10 16 14	8 12	12 13	12	30	23	12 10	
A E	.M.A7	10	00	12	7	22	12 22 12	12	:
N.G	.M. 9 9. M.	N N N N	N N N N	≱	SW	68 NW NW NW 22 30 15	≱	×	
DIRECTION OF WIND,	2 P. M.	N N	×	Z	*	×	×	N N N N	
ã°	.M.A7	≱	Z	×	*	X	*	×	
TX	9 P. M.	75	72	99	78		82	74	
RELATIVE	.м.чг	51	53	58	89	53	58	72	
RE	.M.A.	92	74	83	98	64	62	83	
	.mominiM	27	8	15	8	14	12	16	ī :
ER	.mumizaM	34	90	56	32	8	24	23	<u> </u>
THERMOMETER.	Mean Daily Salae.	30.0 34 27	23.7	16 22 23 21.0 26 15	21 30 30 27-7 32 20	17.0	19.7	17 22 24 21 7 25 16	0.83
ER	.M. 4 6	<u>8</u>	27	প্র	8	18	8	24	<u>Ļ</u> :.
H.	2 P. M.	27 33 30	127	-23		118	32.	72	<u> </u>
.=	.M.A7		9	=	_ <u>6</u>		<u>-</u> ;		1 :
	Mean Daily .ening	30.06	30.17	30.35	30.08	30.25	30.47	30.44	30.52
ETER	.м.ч е	30.08	30.15	30.58	30.01	30.27	30.20	30.40	
BAROMETER.	.м.чг	30.04 30.00 30.09 30.06	30.17	30.55	30.11	30.53	30.44	30-45	
	.M .A 7	30.04	24 30.22 30.17 30.15 30.17 24 27 22 23.7 30 20	30.21	30.52	30.52	28 30.45 30.44 30.50 30.47 13 22 22 19.7 24 12	30-52	
Month and Day.	1881. JANUARY.	Sunday, 23	Monday, 24	Tuesday, 25 30.21 30.22 30.28 30.25	Wed's'y, 26 30.25 30.11 30.01 30.09	Thursd'y,27 30.25 30.23 30.27 30.25 14 18 18 17 0 28 14	Friday, 28	Saturday, 29 30.52 30.45 30.40 30.44	Means 30.25 23.0

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea.

* Precipitation too small to measure, Barometer corrected for temperature, elevation above sea, and instrumental earor,

WEEK ENDING SATURDAY, FEBRUARY 5, 1881.

CAUSES	ADULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF DEATH.	ADU	MIN	WARD.	
Abscess Cervical		1	Inflammat'n, Liver.	1		First	13
" Neck		1	"Lungs	13	9	Second	1:
" Rectum		1	" Pericardium.		1	Third	
Aneurism of Aorta.			" Peritoneum	2	1	Fourth	2
Anæmia	1	1		2	3	Fifth	1
Asthma	2	• • • • • • • • • • • • • • • • • • • •	Intemperance	1	7	Sixth	
Apoplexy Bilious Vomiting	11	•••••	Inanition	1		Seventh	2
Billous vomiting	1 4		Marasmus	19	8	Eighth	1
Dright's Disease Burns and Scalds	3		Old Age Obstruction of Bile	19	•••••	Tenth	
ancer	ĭ		Duct	1		Eleventh	
" Diffused	î		Paralysis	16		Twelfth	
" Breast	2	1	Purpura Hemorrha-	10		Thirteenth	
" Liver	2		gica	1	1	Fourteenth	
" Neck	1		Pyæmia	1		Fifteenth	2
" Pylorus	1		Septicæmia	3		Sixteenth	_
" Stomach		١	Softening of Brain.	ĺ		Seventeenth	1
" Uterus	3		Softening of Brain Small Pox	25	36	Eighteenth	1
asualties	4	2	Suffocation	1	2	Nineteenth	2
Cerebro-SpinalMen-		1	Suicide, Cutting			Twentieth	2
ingitis	1 I		Throat	1		Twentieth Twenty-first	
Congestion, Brain	1	3	" Hanging	2	• • • • • •	Twenty-second	
Lungs	ن	5	Syphilis	2		Twenty-third	- 1
Cirrhosis of Liver			Teething		1	Twenty-fourth	1
Concussion of Brain		··· <u>-</u> -	Tumor, Abdominal Ulceration, Bowels	1	•••••	Twenty-fifth	1
Consumpt'n, Lungs	51	7	Ulceration, Bowels	ļ	•••••	Twenty-sixth	1
Constipation	1	10	Uræmia	1		Twenty-seventh	2
Convulsions	ļ	19	1			Twenty-eighth	2
Croup Cyanosis	;	i	i	240	165	Twenty-ninth Thirtieth	1
Debility		3				Thirtieth	1
Diabetes	ĩ	,				Thirty-first	1
Diarrhœa	î		1				
Diphtheria	1	4	1				
Diphtheria	1	2				37a44-44 a4a	
Diphtheria Dropsy	1		•			Nativity, etc.	
Diphtheria Dropsy of Brain '' Chest	1 1 1	2	•			Nativity, etc.	
Diphtheria Dropsy ' G Brain ' Chest	1 1 1 3	3	Of the above there were):			
Diphtheria Dropsy	1 1 1 3 2	3			as.	United States	
Diphtheria	1 1 3 2 10	3	Under 1 vear		65	United States Foreign	8
Diphtheria	1 1 3 2 10 1	3	Under 1 year		19	United States Foreign Unknown	8 2
Diphtheria	1 1 3 2 10 1 1	3	Under 1 year From 1 to 2	· · · · · · · · · · · · · · · · · · ·	19 39	United States Foreign Unknown	8 2 2
Diphtheria	1 1 3 2 10 1 1 1	3	Under 1 year From 1 to 2		19 39 19	United States Foreign Unknown People of Color From Almshouse	22
Diphtheria	1 1 3 2 10 1 1 1	3 1 1	Under 1 year		19 39 19	United States Foreign Unknown People of Color From Almshouse	2 2
Diphtheria	1 1 3 2 10 1 1 1 1	1 1 1	Under 1 year From 1 to 2		19 39 19 6 17	United States Foreign	2 2
Diphtheria Dropsy Of Brain Chest Heart Disease, Brain Drowned Dysentery Effusion on Brain Empyema Epilepsy Erysipelas	1 1 3 2 10 10 1 1 1 1	1 1 1	Under 1 year		19 39 19 6 17 46 41	United States Foreign	2 2
Diphtheria Dropsy	1 1 3 2 10 1 1 1 1 1	1 1 1 1	Under 1 year		19 39 19 6 17 46 41 32	United States Foreign	2 2
Diphtheria Dropsy ' of Brain ' Chest ' Heart Disease, Brain ' Heart Drowned Dysentery Effusion on Brain Empyema Epilepsy Erjlargement, Heart	1 1 3 2 10 1 1 1 1 1 2 2 10 2 1 2 1 2 1 2 1 2	1 1 1 1	Under 1 year		19 39 19 6 17 46 41 32 35	United States Foreign	2 2
Diphtheria Dropsy Of Brain Of Brain Heart Disease, Brain Heart Drowned Dysentery Effusion on Brain Empyema Epilepsy Erysipelas Exposure Fever, Puerperal	1 1 3 2 10 1 1 1 1 2 10 1 1 1 1	1 1 1	Under 1 year		19 39 19 6 17 46 41 32 35 26	United States Foreign	8 2 2
Diphtheria Dropsy '	1 1 3 2 10 1 1 1 1 2 10 1 1 1 1	1 1 1	Under 1 year		19 39 19 6 17 46 41 32 35 28	United States Foreign	8 2 2
Diphtheria Dropsy ' of Brain ' Chest ' Heart Disease, Brain Drowned Dysentery Effusion on Brain Empyema Epilepsy Enlargement, Heart Exposure ' Scarlet ' Typhoid	1 1 3 2 10 1 1 1 1 2 10 1 1 1 1 2 1 1 7	1 1 1 1 2 9 2	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy Of Brain Chest Heart Disease, Brain Heart Drowned Dysentery Effusion on Brain Entlepsy Erysipelas Exposure Fever, Puerperal Scarlet Typhoid Typhoid	1 1 2 10 1 1 1 1 2 1 2 10 7	1 1 1	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy ' of Brain ' Chest ' Heart Disease, Brain ' Heart Drowned Dysentery Effusion on Brain Empyema Epilepsy Erysipelas Erysipelas Exposure Fever, Puerperal ' Scarlet ' Typhoid ' Typhoid Gout	1 1 3 2 10 1 1 1 1 2 1 2 1 1 7 1 1	1 1 1 1 2 2	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy ' of Brain ' Chest ' Heart Disease, Brain ' Heart Drowned Dysentery Effusion on Brain Epilepsy Erysipelas Enlargement, Heart Exposure ' Scarlet ' Typhoid ' Typhus Gangrene, Senile	1 1 3 2 10 1 1 1 1 2 1 2 1 1 2 1 1 1 1 1 1 1	1 1 1 1 2 9 2	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy ' of Brain ' Chest ' Heart Disease, Brain Drowned Dysentery Effusion on Brain Epilepsy Erysipelas Enlargement, Heart Exposure ' Scarlet ' Typhoid ' Typhus Gout Gangrene, Senile	1 1 3 2 10 1 1 1 1 2 1 2 1 1 2 1 1 1 1 1 1 1	1 1 1 1 2 9 2	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy	1 1 1 3 2 10 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 3	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20	United States	8 2 2
Diphtheria Dropsy	1 1 1 3 2 10 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 3	Under 1 year		19 39 19 6 17 46 41 32 35 28 20 2 1	United States	8 2 2
Diphtheria Dropsy	1 1 1 3 2 10 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 3	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20 1	United States	8 2 2
Diphtheria Dropsy '	1 1 3 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 8 10	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20 2	United States	8 2 2
Diphtheria Dropsy	1 1 3 2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 3	Under 1 year		19 39 19 6 17 46 41 32 35 26 37 20 2 1	United States	8 2 2

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

Week Ending Saturday, February 5, 1881.

RAIN	IN.	99.	Ş	*.65	ş	Ş	9	\$	18
THER.	9 P. M.	Cloudy	Cloudy	Light Snow	Clear	Clear	Clear	Clear	
STATE OF WEATHER.	2 P. M.	4 Cloudy Cloudy	Cloudy	Light Snow	Clear	Clear	Clear	Clear	
STAT	7 A. M.	Cloudy	8 Cloudy	Light Snow	Clear	Clear	Cloudy	Clear	
, K	9 P. M.			22	10	12	21	16	
VELOC'Y OF WIND.	2 P. M.	က	~	24 23 22	14 13 10	16 16 12	18 22 21	18 14 16	
N N	.M.A7.	ಣ	10	称	14	16			
z.	.м.ч е	.≱	Z	Z	MN	Z	Z	Z	
DIRECTION OF WIND.	зъ. พ.	田	z	NE	Z	×	Z	×	
IG	.M .A 7	3 0	NE	NE	z	N X	z	z	
23	9 P. M.	79	88	8	28	61	99	9	T
RELATIVE	2 P. M.	88	69	81	4	48	47	49	
RED	.M .A 7	87	89	100	92	74	08	64	
	.mamlalM	21	8	11	7	4	6	Ξ	T :
ER.	.mrmixsM	33 21	35	26 11	13	17	23	31 11	<u> </u>
THERMOMETER.	Mean Daily Value.	98.5 5	30 31 28 29.2 35 26	14 13 12 12.7	7-7 13 -1	4.15 12 10.7	12 23 16 16 7 25	14 27 23 21 7	18.2
CRM	9 P. M.	31	88	12	0 11 10	12	16	83	1
THE	2 P. M.	24 28 31	31	- 53	<u> </u>	15	8	_27	
	.M. A 7	- 24							
}	Mean Daily Value.	30-08	30.24	30.08	30.54	30.16	30.23	30-45	30.21
BAROMETER.	9 Р. М.	90-08	30.55	30-11	30.55	30.18	30.27	30.50	
, WO		8	23	8	24	17	18	4	
BAB	z P. M.	<u>20.</u>	30.	<u>\$</u>	30.	30.	30.	<u> </u>	
	.K .A 7	30 30-17 30-03 30-06 30-08	30-22 30-22 30-25 30-24	30·16 29·98 30·11 30·09	30.27 30.24 30.22 30.24	30.11	30-20 30-19 30-27	30-40 30-41 30-50 30-45	
	ان	30	-		C)	ಹ	4	r¢.	
Month and Day.	1881. JANUARY	Sunday,	Monday	FEBRUARY Tuesday,	Wed's'y,	Thursday, 3 30.11 30.17 30.18 30.16	Friday,	Saturday,	Means

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. *Melted know Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, FEBRUARY 12, 1881.

CAUSES OF DEATH ·	ADULTS.	MINORS.	CAUSES OF DEATH,	ADULTS	MINORS	DEATHS IN EACH WARD.	
Aneurism of Aorta. Anemia	111541112211322	1	Inflamat'n Bronchi '' Kidneys '' Liver '' Lungs '' Pericardium '' Pericardium '' Pericardium '' Pericardium '' S. & Bowels. Intemperance. Inanition Intussusception Jaundice Marasmus Neuralgia, Ovarian. Old Age Obstruction, Bowels Paralysis Pyæmia Septicæmia Sottening of Brain Sottening of Brain Small Pox Starvation Sulcide, Hanging Ulceration of Limbs '' Bowels	17 2 12 1	10 11 5 	Twenty-second Twenty-third	16 14 8 21 10 2 19 12 4 7 7 5 6 15 20 5 10 20 24 21 4 11 8 24
Consumpt n, Bowels " Lungs. Convulsions	61	6 13 6 2 3 1 7	Uræmia	247	1 160	Twenty-fourth Twenty-fifth Twenty-sixth Twenty-seventh Twenty-eighth Twenty-ninth Thirtieth Thirty-first	21 14 15 24 14 15 11
Abdominal of Brain Chest, Heart	<u>4</u> <u>2</u>	1	Of the above there were Under 1 year From 1 to 2		54	Nativity, etc.	
" Lungs " Ovarian Disease of Heart Liver Drowned Dysentery Eczema Effusion on Brain	1 15 1 1 1 1	1	" 2 to 5 " 5 to 10 " 10 to 15 " 15 to 20 " 20 to 30 " 30 to 40 " 40 to 50		28 40 19 5 14 44 46 32 35	United States Foreign Unknown People of Color From Almshouse '' M. Hospital	293 99 15 32 7 5
Epilepsy Erysipelas Enlargement,Heart Exposure	1	1	** 60 to 70			Premature Birth.	
Fatty Heart Fever, Catarrhal 'Lung 'Puerperal 'Scarlet	 1 1	13	100 to 110		0	MalesFemales	5 1 6
" Typhoid Fracture of Thigh Gangrene, Senile	3 2 1				:	Still-Born.	
Hemorrhage, Lungs "Uterus Hernia Hooping Cough Inflammat'n Brain.	1 1	1 9	Males Females Boys Girls		192	MalesFemalesTotal	8 7 15

Meteorological Observations taken at the Signal Office, Philadelphia. DURING THE

WEEK ENDING SATURDAY, FEBRUARY 12, 1881.

Month and Day.		BARON	BAROMETER,		1	THI	GRM	THERMOMETER.	TER		REI	RELATIVE	VE	DE	DIRECTION OF WIND.		VELOC'Y OF WIND.	ELOC'N OF WIND.	, ,	STATE OF	3 OF WEATHER.	HER.	RAIN
1881. FEBRUÁRY.	.M.A7	J. H. 21	9 F. M.	Mean Daily	M.A 7	2 P. M.	9 P. M.	Mean Daily Value.	.mumixsM	.mnminiM	.K .A 7	2 P. M.	8 P. M.	.M.A7	2 P. M.	.м.че	.M.A7	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	E
Sunday, 6	30.67	30-74	30.82	30-74 30-82 30-76			- 88	18 30 26 25 0	31	17	28	22	63	Z	Z	z	14	14 10 11	=======================================	Fair	Clear	Clear	90.
Monday, 7	30.81	80-77	30-76	30-76 30-77		20 34 31	31	29.0 36 19	36	19	85	2	23	Z	闰	NE	12	1-	4	Clear	Clear	Fair	9
Tuesday, 8	30.65	30.53	30.49	30.54		88	3,	24 38 35 33.5	44 22	83	87	72	08	NE	闰	闰	9	9	4	Cloudy	Cloudy	Fair	9
Wed's'y, 9		30-39 30-28	30-18	30-18 30-26		43	45,	33 43 45 41 5 47	47	33	68	88	108	NE	田	SE	6	œ	4	Cloudy	Cloudy	Foggy	Ģ
Thursd'y,10		96-66	30.05	30-03 29-90 30-02 29-99		22	46	47 52 46 47.7		52 46	100	100 100	8	SE	8W	Ν̈́		6 13	4	Light Rain	Cloudy	Cloudy	92
Friday, 11	30.17	30-15	30-14	30-15 30-14 30-15		33 54	#	42.5	26	56 32	18	55	74	×	N Z	NE	4	4	00	Foggy	Clear	Cloudy	ę
Saturday,12		29-72 29-40 29-45	29.45	29.50	44	8	8	47.5	61	37	100	88	75	闰	SW	×	13	16	16 22	Light Rain	Clear	Light Rain	.56
Means				30-58	1.5	:	T :	38·1		<u> </u>							<u> </u>	:					1.06

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

Week Ending Saturday, February 19, 1881.

CAUSES	A DULTS.	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF DEATH.	ADU.	MIN	WARD.	
Abscess of Brain		1	Insanity,	2		First	2
Thigh		1	Inanition Marasmus	1	8	SecondThird	2
Apoplexy Bright's Disease	10 4	2	Old Age	19	19	Fourth	18
Cancer of Breast	2		Obstruction, Bowels	1		Fifth	-
Liver	2		Ossification of Car-	- 1	•••••	Sixth	
" Stomach	2		diac Arteries	1		Seventh	10
" Uterus	2		Paralysis	5	1 1	Eighth	1
Casualties	5		Poisoning, Opium	Ĭ	i	Ninth	-1
Cerebro-Spinal Men-			Pyæmia	1		Tenth	15
ingitis		- 2	Purpura	3		Eleventh	- (
Congestion, Brain	3	6	Rheumatism Heart		1	Twolfth	4
·· Lungs	2	4	Softening of Brain	3		Thirteenth	- 8
Cerebrai Clot	1		Small Pox	13	36	Fourteenth	- 1
Cholera Infantum		1	Suicide, Hanging	1		Fifteenth	2
Cirrhosis of Liver	2		Tetanus		1	Sixteenth	1
Compression, Brain.	1		Tumor of Brain	1		Seventeenth	10
Consumpt'n Bowels		1	'' Jaw'	1		Eighteenth	1
_ '' Lungs	53	7.	U uer us			Nineteenth	1
Convulsions		22	VIII LICAU	1	•••••	Twentieth	1
" Puerperal	3		Unknown	1		Twenty-first	1
Croup	•••••	8	Uræmia	_2	1	Twenty-second	1
Cyanosis	ļ <u>.</u>	3		220	182	Twenty-third Twenty-fourth	1: 2
Debility Degeneration of the	5	, о		240	102	Twenty-fifth	2
Kidneys	1	1				Twenty-sixth	î
Diabetes	2					Twenty-seventh	1
Diarrhœa		1				Twenty-eighth	$\hat{2}$
Diphtheria	l	5				Twenty-eighth Twenty-ninth	1
Dropsy	1	1				Thirtieth	ī
	l <u>-</u>	2				Thirty-first	ī
" Heart	3						
"Kidneys		1	Of the above there were	: .			
Disease of Heart						!	
" Hips			Under 1 year	• • • • • • •	74	Nativity, etc.	
771 4 61	••••	1	From 1 to 2,	• • • • • • • • • • • • • • • • • • • •			
opine		ļ <u>.</u>	Z (() ()	• • • • • •		i	
Drowned		1	0 W 10		20	United States	81
Effusion on Brain		ī	10 10 10			Foreign	9
Erysipelas	2		10 10 20	• • • • • • • • • • • • • • • • • • • •		Unknown	
Enlargement of Prostate	1	•	'' 20 to 30 '' 30 to 40	•••••		People of Color	3
Fatty decemeration	1 -	,	" 40 to 50	•••••		From Almshouse	Ŭ
Fatty degeneration of Liver	1	1	'' 50 to 60	•••••	82	" M. Hospital	
Fever Scarlet	1		" 60 to 70	•••••	32 31		
Fever, Scarlet '' Typhoid	5	4	" 70 to 80		30	'	
Gangrene, Senile	ĭ		" 80 to 90		20	Premature Birth.	
	1		90 to 100		. ĩ	Tiomsonia Ditim.	
Heart Clot			" 100 to 110				
Heart Clot	1		, , , , , , , , , , , , , , , , , , , ,		9	36-1	
Heart Clot Hemorrhage, Lungs	2					Males	
Heart Clot Hemorrhage, Lungs Hooping Cough Inflammat'n, Brain.	6	6				There also	
Heart Clot Hemorrhage, Lungs Hooping Cough Inflammat'n, Brain. '' Bronchi	2 6 1					Females	
Heart Clot	6 1 1	6				Females Total	
Heart Clot	2 6 1 1 1	6 7				Females Total	
Heart Clot	2 6 1 1 1 14	6 7 8				Total	
Heart Clot	2 6 1 1 1 14	6 7 8 1			•	Total	
Heart Clot	2 6 1 1 1 14 	6 7 8			•	Total Still-Born.	
Heart Clot	2 6 1 1 1 14 3 1	8 1 2				Total	
Heart Clot	2 6 1 1 1 14 3 1 3	8 1 2	<u>M</u> ales		203	Still-Born.	
Heart Clot. Hemorrhage, Lungs Hooping Cough Inflammat'n, Brain ' Bronchi ' Kidneys ' Liver ' Lungs ' Pericardium ' Peritoneum ' Prostate ' S. & Bowels ' Trachea	2 6 1 1 1 14 3 1 3	8 1 2	Females		208	Still-Born.	
Heart Clot	2 6 1 1 1 14 3 1 3	8 1 2			208	Still-Born.	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

. DURING THE WEEK ENDING SATURDAY, FEBRUARY 19, 1881.

Month and Day.		RAROMETER.	IETER.			THE	THERMOMETER.	ŒEE	슖	H H	RELATIVE HUMIDITY	IVE	A 0	DIRECTION OF WIND.	FON D.	VEL OF W	VELOC'Y OF WIND		STATE OF WEATHER,	THER.	RAIN	
1881. FEBRUARY.	.M .A 7	2 P. M.	9 Р. М.	Mean Daily Value.	.M.A7	1 2 P. M.	9 P. M.	Value.	.momixeM	.M.A.7	2 Р. М.	9 P. M.	.M.A 7	2 Р. М.	9 P. M.	.M.A7	2 P. M.	7 A. M.	2 P. M.	9 P. M.	I.	
Sunday, 13 29.63 29.70 29.89 29.78	89.63	29.70	29.89	29.78	8	$\frac{32}{2}$	30 32 29 30•0 39 28	<u>&</u> _	- 87	22	3 79	9. 67	≱	N N	NWNW	61 60	2:30:20	Fair	Fair	Fair	9.	
Monday, 14 30 18 30 31 30 49 30 37 23 28 27 26 2 30 22	30.18	30.31	30.49	30.37	33	- 78 - 78	17.26	ن س		33	3 54	49	64 NWNW	N N	Z	16 16	8 9	Clear	Clear	Fair	9	•
Tuesday, 15 30.61 30.54 30.47 30.52 22 32 38 30.0 37 21	30.61	30.54	30.47	30.52	22	323	3.30	Q	7.21	98	3 59	62 (NE	闰	SE		5	Clear	Fair	Cloudy	\$	35
Wed's'y, 16 30·17 30·03 30·31 30·21	30-17	30.03	30.31	30.21	83	41 2	33 41 29 33 0 45 28	.0	5 28	68	9 74	92 1	Z	*	N N		1.29	4 11 29 Cloudy	Fair	Clear	.14	
Thursd'y,17 30-48 30-47 30-53 30-50 28 34 31 31-0 35 27	30.48	30.47	30.53	30.20	83	343	1 31	÷.	5 27	7.2	92		M N M N M 08	N	N Z	4 14	4 3	Clear	Clear	Clear	3	·
Friday, 18	30.45	30-45 30-25 30-03 30-19	30.03	30-19	31	414	31 41 45 40.5 47 29	- 5 -	-23	68	57	92 :	20	S W	S W	4	4 7 1	Cloudy	Cloudy	Light Rain	-14	
Saturday,19 27.76 29.98 30.26 30.07	27.76	86-68	30.26	30.07	7	39 3	41 39 32 36 0 47 31	0.	731	16	64	69	z	Z	z	2 2	5 24 26	Cloudy	Clear	Clear	1.64	
Means		30.23		30.73		 	8 3	4	<u> : : : : : : : : : : : : : : : : : : :</u>	<u> </u>		!			32.4	:	<u> </u>				1.92	

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea, Barometer corrected for temperature elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, FEBRUARY 26, 1861.

CAUSES OF DEATH.	ADULTS	MINORS	CAUSES S DEATHS IN EACH OF DEATH. OF EATH. WARD.	
Abscess Kidneys Throat Asphyxia		1 1 3	Inflammation of S. & First	21 12 11
Apoplexy Biliary Calculi Bright's Disease	7 1 5	•••••	Inanition	10 18 1
Cancer of Breast '' Face '' Stomach '' Uterus	1 1 1			10
'' Vulva Casualties Cerebro-SpinalMen-	1 2	1	Paralysis 9 1 Eleventh Pyemia 1 Twelfth Thirteenth Thirteenth	10
ingitis Congestion, Brain Liver		8	of Heart 1 Fourteenth	18 10
'' Lungs Child-Birth Cholera Infantum	1	<u>3</u>	Softening of Brain 1 Seventeenth	10 18 28
Compression, Brain. Consumpt'n, Lungs. Convulsions	Z	4 15 1	Trismus Nascenti'm	11 6 4 18
Croup Cyanosis Debility Degenerat'n, Lungs.		5 3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	19
Diarrhœa Diphtheria Dropsy	•••••	1 7 1	211 158 Twenty-seventh Twenty-eighth Twenty-ninth	2) 26 17
" of Brain " Heart " Lungs	 1 2	3	Thirtleth Thirty-first,	18
Disease of Heart '' Liver '' Spine	10 1	2		
Effusion on Brain Heart, Embolism of Brain. Heart,	2 1 1	1	Of the above there were: Nativity, etc. Under 1 year	
Epilepsy Erysipelas Fulargement, Heart	1 1 1	3	From 1 to 2	278 82 14 20
Liver. Exposure Fever, Puerperal '' Scarlet	1 1	1	'' 10 to 15	18
" Typhoid Gangrene, Senile	8	6 	' 40 to 50	
Heart Clot Hemorrhage, Lungs '' Internal.	1 1 1		' 70 to 80	 !
Hooping Cough Inflammat'n, Brain '' Bronchi		1 7 7	Females Total	
" Bladder " Kidneys " Larynx	1 1 1	 1	Still-Born.	
" Liver		1	Males 187	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, FERRUARY 26, 1881.

RAIN	ığı	9	.57	ŝ	.03	\$	96	8 .	 %
THER.	9 P. M.	Threat- ening.	Clear	Clear	Clear	Cloudy	Clear	Cloudy	
STATE OF WEATHER.	2 P. M.	Cloudy	Fair	Clear	Clear	Clear	Clear	Clear	
STATE	7 A. M.	Clear	Light Rain	Clear	Cloudy	Clear	Light Snow	Cloudy	
¥ G	9 P. M.	8 10	13	9 13	15	00	9	4	1 :
VELOC'Y OF WIND	2 P. M.		12 23 13	6	10 24 15	28 10	ଷ	∞	:
VE	.M.A7	00		7	2	8	2	9	<u>:</u>
× .	.м.ч в	闰	X	S W	NE	E	Z	20 2	
DIRECTION OF WIND.	.м.ч г	NE	Z	*	MN	Z	MN	Ħ	
DIO	.M .A 7	NE	Z	N Z	\mathbf{s}	Z	Z	Z	
28	9 Р. М.	43	63	8	61	8	77	1	
RELATIVE	2 P. M.	7	22	46	39	18	69	69	
RELATIVE HUMIDITY	.M .A 7	12	100	69	8	26	98	2	
==	.mrminiM	- 8	=	35	8	9	61	19	i :
H	.mumixsM		_ <u></u>	<u>4</u>	-4	- 6 7	.65	31	i :
THERMOMETER.	Mean Daily Value.	26 36 32 31 5 39 25	34 38 37 36 5 42 31	35.7	35,40,24,30.7,41,20	10 22 23 19.5 29 10	23 32 28 27.7 35 19	37 31-2	30.4
ERM	.M.9 9	32			<u>₹</u> _	୍ଟ୍ର-	<u> </u>	37	<u> :</u>
TH	M. A 7 .M. 4 2	 	¥ 38	2.41	5.40	0.22	35	20 31	:
	Mean Dally Value.			22 30-27 30-15 30-05 30-13 32 41 35 35-7 44 32 69			30-20 2	30.38	30.20
ETER.	9 P. M.	30-37 30-29 30-34	30.16	30.02	23 29-77 29-86 30-09 29-95	30.54	30-01 30-15 30-33 30-20	30.48 30.39 30.32 30.38	
BAROMETER.	.M.9 2	30-37	30.05	30.15	29.86	30.59	30.15	30.39	
	.M.A7	20 30-43	30.03	30.27	23.11	30.33		30.48	
Month and Day.	1881. FEBRUARY.	Sunday, 20	Monday, 21 30.03 30.02 30.16 30.09	Tuesday, 22	Wed's'y, 23	Thursd'y,24 30.33 30.29 30.24 30.28	Friday, 25	Saturday, 26	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, MARCH 5, 1881.

CAUSES	SEL	ORS	CAUSES	LTS	ORS	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
Abscess, Psoas	1		Inflammat'n, Liver	1		First	28
Anæmia		1	" Lungs	16	8	Second	17
AsthmaAsphyxia	z	i	" Peritoneum " Pleura	3	i	Third Fourth	1f 10
Apoplexv	12		" S. & Bowels.	7	Ĝ	Fifth	ii
Boll	1		" Tonsil		1	Sixth	8
Bright's Disease	10		Insanity	1		Seventh	16
Burns and Scalds			Inanition	••••	3	Eighth	10
Cancer diffused of Breast	1 2	•••••	Malformation Marasmus	••••	9	Ninth Tenth	5 9
" Face			Murder	1		Eleventh	5
" Neck	1	1	Old Age	14		Twelfth	5
" Œsophagus	. 1	: •••••	Paralysis	6		Thirteenth	4
" Stomach	1	·	PyæmiaRheumatism, Heart	1		EleventhTwelfthThirteenthFourteenth	.9
T 11 1 2 11	Ţ		Kneumatism, Heart	3	*****	Fifteenth	19
Uterus	2 1		Septicæmia Softening of Brain	2		Sixteenth	9 10
Casualties		1	Small Pox	15	84	Seventeenth Eighteenth	15
Cerebro-spinal Me-	_	, •	Suffocation		1	Nineteenth	14
ningitis		٠2	Suicide, Drowning	1		Twentieth	17
Congestion, Brain		6	TrismusNascenti'm		1	Twenty-first	5
··· Lungs	3		Tumor of Brain	ļ	•••••	Twenty-second	10
Cholera Infantum	•••••	2	" Ovarian	1	•••••	Twenty-third	.8
Collapse of Lungs Consumpt'n, Lungs. Concussion of Brain	47	6		215	166	Twenty-fourth	16 15
Congression of Brain	i	U		210	100	Twenty-fifth Twenty-sixth	15
Convulsions		20	•	_	_	Twenty-seventh	20
Cramps		1				Twenty-eighth,	19
Cronn		7			j	Twenty-ninth	18
Cyanosis		4	ı			Thirtieth	12
Debility	2 2	9			Ì	Thirty-first	11
Diarrhœa Diphtheria	Z	7	•		1		
Dropsy	3		•		ĺ		
of Heart	ĭ		Of the above there were	:	1	İ	
Disease of Brain	1	l			1	37-41-411- 1	
" Heart	9		Under 1 year		84	Nativity, etc.	
Drowned	1		From 1 to 2				
Dysentery	1	;	Z 10 0		25 11	United States	284
Effusion on Brain Empyema	···i	1	" 5 to 10		8	Foreign	84
Embolism of Brain	2		" 15 to 20		12	Unknown	13
Erysipelas		1	'' 20 to 30		48	People of Color	28
Enlargement, Heart	3		'' 30 to 40		40	People of Color From Almshouse '' M. Hospital	13
Emphysema, Lungs	1		" 40 to 50		29	" M. Hospital	7
Fatty degeneration	1	,	50 to 60		36 18		
of Heart	1		'' 60 to 70		29		
Fever, Lung		'''i'	'' 80 to 90		15	Premature Birth.	
" Puerperal	2		" 90 to 100		ő		
" Scarlet	1	7	'' 100 to 110		Ō		
" Typhoid	3	1				Males	ĭ
Gangrene of Liver	1		•			Females	2
Hemorrhage Lungs	1	••••				Total	8
Hemorrhage, Lungs '' Internal	î		:		1		
Hernia	î					647N D	
Hypertropy, Heart	ī				1	Still-Born.	
Hooping Cough		2					
Inflammat'n, Brain	1	8	MalesFemales	• • • • • • •	195	36.3	
" Bronchi.	3	8	Females	•••••	186 87	MalesFemales	8 9
"Kidneys Larynx	1	2	BoysGirls	•••••	79	Total	17
maiyiix		-	U1113	••••••		10001	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, MARCH 5, 1881.

RAIN	ž	99.	1.	.05	Ş	:0	.72	ė	1.63
HER.	9 P. M.	Light Rain	Light Snow	Cloudy	Fair	Light Rain	Clear	Clear	
STATE OF WEATHER.	2 P. M.	Cloudy	Cloudy	Heavy	Fair	Cloudy	Cloudy	Fair	
STATE	7 A. M.	Cloudy	Foggy	Light Snow	Cloudy	Cloudy Cloudy	Heavy Rain	Fair	
¥ 6	.M . 4 8	4.10	5 10 29	56	2	16	10	6	
VELOC'Y OF WIND	.м.ч ы		10	24 23 26	24 30 12	6 17 16	36 19 10	7 12	<u>:</u>
VE OF	.M.A.	œ	, 10	42	24	9	36		<u> </u>
οğ.	9 P. M.	E	Z	N W	NE	¥	*	NN	
DIRECTION OF WIND.	.ж.ч 2	NE	z	75 NWWWWWW	Z	E	≱	N W	
<u> </u>	.M .A 7	NE	*	NW	77 NW.	90. NE	田	>	
PE	.м.ч е	91 100	16			6	20	29	`: -
i Ti	.ж.ч г	6	79	12	82	73	- 08	61	
RELATIVE	.w .r 7	68	100	68	4.	62	100	11	34.3
	.msminiM	31	36	24	22	28	80	27	I :
TER	.mumixaM	47	56	36	31	4	43	88	<u> :</u>
ME	Mean Daily Value.	98.0	12.1	7.5	27-2	0.9	5.5	9.0	4.3
THERMOMETER.	ж.че	6	39	26/2	83	38	39 36 33 35 2 43 30	28 36 29 30 5 38 27	==
HE.	.M. 42	4	52	83	53	9	36	36	Ī .
	.M.A.	32	53	83	24	32	39	% 1.	<u> </u>
	Mean Daily Value.	9-96 29-76 29-90 32 40 40 38-0 47.31	29.46	29.56	29.86	29 88 29 77 29 85 32 40 36 36 0 41 28	29-29 29-51 29-37	29-59	29.06
ETER.	ж.че	29.76	29.43	29.62	29.94	29.77	29.21	29.62	
BAROMETER	ж.ч.		29.45	29.51	29.81	88 88	29.29	29.52	
	.K .A 7	27 30-13	29.52 29.45 29.43 29.46 53 52 39 45.7 56 36 100	29.49 29.51 29.62 29.56 29 28 26 27.2 36 24	29.77 29.81 29.94 29.86 24 29 28 27-2 31 22	3 29.98	29.20	5 29·59 29·52 29·62 29·59	
	أند	27	8	_	01	ಣ	4	20	
Month and Day.	1881. FEBRUARS	Sunday,	Monday, 28	MARCH. Tuesday,	Wed's'y,	Thursd'y,	Friday,	Saturday,	Means

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sen. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, MARCH 12, 1881.

CAUSES OF	LTS	ORS.	CAUSES OF	LIS	ORS.	DEATHS IN EACH	
DEATH.	ADULTS	MINOR	DEATH.	ADULTS	MINORS	WARD.	
Apoplexy	13		Inflammation,		_	First	26
Bright's Disease	6	1	S. & Bowels	1	5	Second	19
Burns and Scalds Cancer of Breast	3		_ U voi us	3	•••••	Third	13
" Liver	i			i	4	Fifth	$^{5}_{12}$
" Stomach	li		Intussusception	2	- -	Sixth	5
" Uterus	î			ī	2	Seventh	16
Caries of Spine	ī		Malformation	l	ī	Eighth	ĩĭ
Casualties	5	1	Marasmus		10	Ninth	5
Cerebro-spinal Me-	l		Neuralgia of Heart	2	•••••	Tenth	6
ningitis	1	1	Old Age	15		Eleventh	4
Congestion, Brain		5	Paralysis	11		Twelfth	4
Liver	1	: 1	Poisoning,Laud'um	2		Thirteenth	6
Lungs	1	1	Scrofula	•••••	2	Fourteenth	6
Cholera Infantum		2∙	Softening of Brain Small Pox	1 19	26	Fifteenth	21 9
Consumption, Bowels	1		Suicide, Shooting	19		Sixteenth	10
" Lungs		5	Syphilis		1	Seventeenth Eighteenth	19
Convulsions	ĭ	15	Teething		î	Nineteenth	5
" Puerperal	1		Tumor of Neck	1		Twentieth	24
Croup		4	'' Ovarian	2		Twenty-first	11
Cyanosis		1	Uræmia	1		Twenty-second	10
Debility	5	5				Twenty-third Twenty-fourth	9
Degen, of Kidneys	1	·····		249	152	Twenty-fourth	22
Diabetes	2			_	-	Twenty-fifth	17
Diarrhœa Diphtheria	•••••	2	i '			Twenty-sixth	14 21
Droney	4				İ	Twenty-seventh	26
Dropsy	i					Twenty-eighth Twenty-ninth	15
" of Brain		. 4				Thirtieth	9
" Heart	3	1	ı			Thirty-first	11
Disease of Heart	9		1				
" Stomach.	1						
Effusion on Brain		1					
Epilepsy	3	•••••	Of the above there were):		l i	
Erysipelas Enlargement, Heart	1	•••••	I'ndor 1 room		73	Nativity, etc.	
Fatty degeneration	1	••••	Under 1 year From 1 to 2	•••••	28		
Fatty degeneration of Heart	2		2 to 5		24		
Fever, Puerperal	ī		" 5 to 10			United States	296
		13	" 10 to 15		10	Foreign	94
"Typhoid	6		" 15 to 20			Unknown	11
1 y pn us	1	1	'' 20 to 30		46	People of Color	19
Gout	1	·····	'' 30 to 40		43 46	From Almshouse "M. Hospital	7 13
GangreneFoot & Leg	1		" 40 to 50		32	M. Hospital	19
		1	60 to 70		31		
Hemorrhage from	•••••		70 to 80		29	i t	
Bowels		1	'' 80 to 90		17	Premature Birth.	
'' Brain	1		'' 90 to 100		5		
" Kidneys	1		'' 100 to 110		0		
" Lungs Umbilicus	1					Males	2
" Umbilicus		1				Females	2
Hypertrophy, Heart	2					Total	4
Hooping Cough	•••••	3 9					
Inflammat'n, Brain	2	7					
" Bladder	2					Still-Born.	
"Kidneys	ĩ	1					
" Larynx	2	î	Males		210		
" Lungs	21	Ĝ	Females	· · ·	191	Males	13
" Pericardium							
	1				78	Females	4
" Peritoneum.		<u>.</u>	BoysGirls		78 74		17

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, MARCH 12, 1881.

RAIN	IN.	\$	\$	÷	.75	.53	 	.55	1.57
WEATHER.	9 P. M.	Clear	Clear	Cloudy	Light Rain	Clear	Clear	Heavy Rain	
10	2 P. M.	Fair	Clear	Fair	Light Rain	Cloudy	Clear	Cloudy	
STATE	7 A. M,	Cloudy	Clear	Cloudy	Light Rain	Cloudy	Clear	Cloudy	
⊁£	9 P. M.		13	4	<u></u>	 83	4	411	1 :
VELOC'Y OF WIND	1 2 P. M.	18 18 16	10 17 13	4	18 26 24	28 28	26 28		 :
VE	.M.A 7	28	10	0	18	\$	82	9	<u> </u>
oN D.	.М.Ч в	Z	z	30	NE	Z	NW NW	闰	
DIRECTION OF WIND.	.м.ч г	z	z	202	NE	Z	MN	邑	
- A O	.M .A 7	Z.	Z	Calm	<u></u> 얼	Z	WW	z	
TX	9 Р. М.	61	74	99	92	92	82	56 100	
F.E	"В. Ж.	55	48	54	8	2	42	56	
RELATIVE	.M.A.	_ 22	8	73	100 100	95	59	69	
	.muminik	s	4 2	#		_ 93	23	8	
ER.	.mumixsM	41.5	49 8	. 99	44 37	49	4	42	i - T
THERMOMETER.	Mean Daily Value.	34.2	41.7	47.0	41.5	43.0	32 42 39 38 0 44 32	40 31 33.2 42 30	8.68
ER	8 P. M.	.	7.42	84	_ 2 _	741	_ <u>3</u> 2		<u> </u>
TH	7 A. M.	 	6.4	0.5	- 2	3.4	4	4	 -
	Mean Daily Value.	29-69 29-76 29-93 20-83 26 39 36 34-2 41 25	30.05 30.06 30.10 30.08 36 47 42 41.7 49 34	30.14 30.04 30.00 30.04 40.52 48 47.0 56 34	29.82 29.54 29.42 29.55 38 42 43 41.5	29.65	11 29·80 29·79 29·88 29·83 3	29.81	28.82
BAROMETER.	.м.че	29.93	30.10	30.00	29.42	69.67	29.88	29.12	
ВАКО	.м.ч г	29.76	30.06	30.04	29.54	5 29.29	29.79	29.82	
	.M .A 7	29-69	30.05	30.14	28-82	29.25	8.67	29-94	
Month and Day.	1881. MARCH.	Sunday, 6	Monday, 7	Tuesday, 8	Wed'sd'y, 9	Th'rsd'y, 10 29·52 29·59 29·69 29·62 43 47 41 43·0 49 39	Friday, 11	Saturday, 12 29.94 29.85 29.72 29.81 31	Mean

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea, Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, MARCH 19, 1881.

CAUSES	T.	MINORS	CAUSES OF DEATH.	ORS	DEATHS IN EACH	
OF DEATH.	ADI	MIN	OF DEATH.	MINORS	WARD.	_
bscess of Brain	. 1	*****	Intemperance	1	First	
" Liver	. 1		Insanity	1	Second	
" Psoas neurism of Aorta.		1.4	Inanition		Third Fourth,	
næmia	ĩ	1	Marasmus		Fifth	
poplexy	. 7	1	Measles	1 1	Sixth	
sphyxia		- 2	Neuralgia of Heart.	1	Seventh	
right's Disease	6	******	Old Age	16	Eighth	
urns and Scalds ancer			Obstruct'n, Bowels Paralysis	9 1	Ninth Tenth	
" Breast			Purpura Hemorrha-	0, 1	Eleventh	
" Stomach	2		gica	1	Twelfth	
" Uterus	1		Pyæmia	4]	Thirteenth	
asualties	4	2	Rheumatism		Fourteenth	
erebro-SpinalMen			Puntung of Aget	1,	Fifteenth	
ingitis Brain		163	Rupture of Aorta Heart		Seventeenth	
Lungs	2	6	Softening, Brain	3	Eighteenth	
holera Infantum			Small Pox	11 20	Nineteenth	
irrhosis of Liver	3	*****	Stricture, Œsopha-	• 1	Twentieth	
ompression, Brain.	634	1	gus	1	Twenty-first	
onsumpt'n, Bowels '' Lungs,		10	Suffocation	1	Twenty-second	
onvulsions		13	Suicide, Hanging Syphilis	?	Twenty-third Twenty-fourth	
" Puerperal.	11		Tabes Mesenterica	1	Twenty-fifth	
ronn		- 6	Teething	l	Twenty-sixth Twenty-seventh	
V9.DOS18		4	Tetanus	1	Twenty-seventh	
ebility	3		Tumor, Ovarian	1	Twenty-eighth	
iphtheria	1 (2)	4	Ulceration, Bowels	1	Twenty-ninth	
ropsy	- 1	******	Uremia	- I	Thirtieth Thirty-first	
'' Brain		2	100	100	!	
" Heart				09 179	!	-
isease of Heart,	12	- 3			1	
n.i.p		1			Nativity, etc.	
" Liver Spine		1				
rowned	1					_
ysentery		1	Of the above there were:	ł	United States	2
rysipelas	1				Foreign	
nlargement, Heart	, 1	•••••	Under 1 year	73	Unknown	
atty degeneration of Heart	1 1		From 1 to 2 2 to 5		People of Color From Almshouse	
ever, Malarial	11	1	" 5 to 10	38	M Hospital	
	1		" 10 to 15	10	iii. IIospitti	
" Puerperal	. 1			8		_
" Puerperal Scarlet		₇	" 15 to 20	14	l .	
" Puerperal " Scarlet " Typhoid	4	7 5	' 15 to 20 ' 20 to 30	14	Premature Birth.	
" Puerperal " Scarlet" " Typhoid! racture of Hip	4	7 5	' 15 to 20 ' 20 to 30 ' 30 to 40	··· 14	Premature Birth.	
" Puerperal" " Scarlet" " Typhoid! racture of Hip angrene	4 1 1	 5	' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50	··· 14 ··· 36 ··· 36 ··· 29	Premature Birth.	
" Puerperal " Scarlet " Typhoid! racture of Hip angrene of Feet	4 1 1 2	7 5 	' 15 to 20	··· 14 ··· 36 ··· 36 ··· 29 ··· 33	Males	
" Puerperal " Scarlet " Typhoid! racture of Hip angrene " of Feet temorrhage, Brain " Lungs	1 1 2 2	 5	' 15 to 20	··· 14 ··· 36 ··· 36 ··· 29 ··· 33	Males	
"Puerperal "Scarlet "Typhoid! racture of Hip angrene " of Feet emorrhage, Brain. Lungs smophilia	1 1 1 2 2	7 5 1 1	' 15 to 20	36 36 36 37 38 39 39 39 39 39 39 39 39	Males	
"Puerperal" Scarlet" "Scarlet" racture of Hip! rangrene" of Feet temorrhage, Brain Lungs mophilia	1 1 1 2 2 2	7 5 1 1	' 15 to 20	36 36 36 37 38 38 39 39 31 31 31 32 31 32 31	Males	
" Puerperal " Scarlet " Scarlet " Typhoid racture of Hip angrene of Feet emorrhage, Brain. " Lungs emophlia eart Clot (couing Cough	1 1 1 2 2 2	7 5 1 1	' 15 to 20	36 36 36 37 38 39 39 39 39 39 39 39 39	Males	
" Puerperal " Scarlet " Scarlet " Typhoid racture of Hip angrene of Feet (emorrhage, Brain " Lungs (emophilia (eart Clot (Looping Cough	1 1 1 2 2 2	7 5 1 1 4	' 15 to 20	36 36 36 37 38 38 39 39 31 31 31 32 31 32 31	Males Females Total	-
"Puerperal" "Scarlet" "Scarlet" "Typhoid! racture of Hip of Feet "Of Feet "I.ungs	4 1 1 2 2 2 3	7 5 1 1 9	' 15 to 20	36 36 36 37 38 38 39 39 31 31 31 32 31 32 31	Males	-
"Puerperal" "Scarlet" "racture of Hip" rangrene" of Feet temorrhage, Brain temorrhage, Brain teart Clot tooping Cough ypertrophy, Heart nfiammat'n, Brain "Bronchi"	3	7 5 1 1 4 9	' 15 to 20	14 ··· 36 ··· 36 ··· 39 ··· 39 ··· 39 ··· 39 ··· 39 ··· 39 ··· 39 ··· 39 ··· 21 ··· 20 ··· 1	Males Females Total	-
" Puerperal " Scarlet " Typhoid! racture of Hip angrene " of Feet temorrhage, Brain " Lungs temophilia teart Clot tooping Cough ypertrophy, Heart nflammat'n, Brain " Bronch! " Lungs " Pericardium.	3 3 1 1 1 2 2 3 3 1 1 1 4 10	7 5 1 1 4 9	' 15 to 20	201	MalesFemalesTotal	-
"Puerperal" "Scarlet" "Scarlet" "racture of Hip! rangrene" " of Feet	3 3 1 1 1 1 1 1 1 1 1 1 1 3 3 3 3	7 5 1 1 9 10 12	' 15 to 20	201 201 187	MalesFemalesTotal	-

METEOROLOGICAL ÖBSERVATIONS TAKEN AT THE SIGNAL ÖFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, MARCH 19, 1881.

RAIN	IN.	Ţ.		\$	\$	20.	\$.63	.76
THER.	9 P. M.	Hazy	Cloudy	Clear	Cloudy	Light Rain	Threat- ening.	Light Rain	
STATE OF WEATHER.	2 P. M.	Cloudy	Cloudy	Clear	Fair	Cloudy	Fair	Light Rain	
STAT	7 A. M.	Cloudy	Cloudy	Clear	Clear	Light Rain	Cloudy	Light Rain	
¥ A	9 P. M.	က	11	90	10	17	13	14	T :
VELOC'Y OF WIND	2 P. M.	70	16 25 11	2	7 12	22 20 17	14 10 13	18 26	
VE	.M .A 7	0	16	9		_8	14	18	<u> :</u>
N.O.	9 P. M.	*	z	8	NE	闰	囶	闰	
DIRECTION OF WIND.	з ъ. ж.	Calm S W	Z	σ Ω	8	闰	闰	臼	
. A **	.M .A 7		M Z	Z	*	闰	NE	田	
IVE	9 P. M.	91	82	85	19	82 100	77 100	100 100 100	
RELATIVE	зъ. м.	83	59	51	58			100	
RE	.M.A7	93	82	7	8	100	8		
.;	.msminiM	47 32	39	36	35	37	36	47 38	<u> </u>
TRE	.mrmixsM	47	45	35	61	8	49	47	
THERMOMETER,	Mean Daily Value.	37 42 41 40.2	41.2	37 49 40 41.5 55 36	20.0	39.2	40.7	39 44 42 41 · 7	42·1
ER	M. 4 6	<u>,4</u>	41	4	53	37	4	42	<u> :</u>
표	2 P. M.		-	45	57	- 2-	46		<u> </u>
	7 A. M.		4	<u>60</u>	<u>65</u>	4	က		
	Mean Daily Value.	13 29.77 29.75 29.85 29.80	30.14	30.31	80.08	30.08	30.13 30.11 30.15 30.14 37 46 40 40.7 49 36	29-98 29-76 29-54 29-71	30.08
BAROMETER.	.м.ч в	29.85	30.27	30.58	30.04	30-11	30.15	29.54	
BARO	.m.g 2	29.7	30.02	30.32	30.05	30.05	30.11	29.46	
	.M.A 7	29.77	29-97	30.35	30.20	30.08	30.13	36-68	
ı,			14	15	,16	,17	18	,19	
Month and Day.	1881. MARCH.	Sunday,	Monday, 14 29.97 30.07 30.27 30.14 40 43 41 41.2 45 39	Tuesday, 15 30.35 30.32 30.28 30.31	Wed'sd'y,16 30-20 30-05 30-04 30-08 37 57 53 50-0 61 35	Thursd'y,17 30.08 30.05 30.11 30.09 42 41 37 39.2 48 37	Friday,	Saturday, 19	Means 30.04

The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY MARCH 26, 1881.

CAUSES	DULTS	MINORS	CAUSES	LTS	ORS.	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF DEATH.	ADULTS	MINORS	WARD.	
Abscess, Abdominal			Inflammation Sto-			First	
Walls	į.	•••••	mach and Bowels.	6	4	Second	1
Aneurism of Aorta	1	i	Inflammat'n, Spine.	1	1	Third	
Asthma	1	•••••	Intemperance Insanity	3	••••	Fourth	
poplexy	9		Insanity	1		Fifth	1
Bright's Disease			Inanition	2		Sixth	
Burns and Scalds			Intussusception	1	****	Seventh	1
ancer of Face	1		Jaundice	1		Eighth Ninth	
Larynx	1		Mania-a-potu	1		Ninth	
" Liver	_ Z		Marasmus		13	Tenth	
" Stomach	3		Measles	1		Eleventh	
" Uterus	3		Murder	2		Twelfth	
asualties	6		Ula Age	9		Thirteenth	
erebro-Spinal Men-		i	Obstruction, Bowels	ì	1	Fourteenth	1
ingitis		2	Paralysis	12	ı î	Fifteenth	3
longestion, Brain	1	2	Prolapsus, Rectum	1	.	Sixteenth	1
Liver	2		Pyæmia	3		Governmenth	- 3
Lungs		2	Rheumatis m		1	Seventeenth	
irrhosis of Liver			Sclerosis of Brain	ï	•	Eighteenth	
onsumpt'n, Bowels			Septicæmia	i		Nineteenth	
Lungs			Softening of Brain	2	•••••	I wentieth	:
onvulsions			Small Pox	14		Twenty-first Twenty-second	
roup		10	Stricture (Fuenhe	1.2	29	Twenty-second	
yanosis		2	Stricture, Œsopha-	1	1	T Wellth - PHILLIP	1
ability		4	gus			I wenty-fourth	
ebility Diarrhœe	1		Suicide, Drowning	1		Twenty-fifth	
Diphtheria		3	L TRUEINS	1		Twenty-sixth	1
opinineria	3		Tumor of Uterus	1		Twenty-seventh	2
of Brain	0	******	Uræmia	2	•••••	Twenty-eighth	- 1
or Diam	****	2	1			Twenty-ninth	- 3
neart		******				Thirtieth	
Lungs	1			240	144	Thirty-first	1
Disease of Heart		2	1	-		1	
Liver	1						
Dysentery				•		1 , 1	
ifusion on Brain	*****	3				1	
	2	1				Nativity, etc.	
rysipelas	- X	*****	Of the above there were):		1	
Cnlargement, Heart	1						_
Enlargement, Heart Empyema	- 1						
Enlargement, Heart Empyema	- 1	•••••	Under 1 year		69	United States	9
Inlargement, Heart Impyema atty degeneration of the Kidneys	1		From 1 to 2		15	United States	
Enlargement, Heart Empyema Satty degeneration of the Kidneys Sever, Malarial	1 1		From 1 to 2		15	Foreign	- 8
Inlargement, Heart Impyema Patty degeneration of the Kidneys Pever, Malarial "Puerperal	1 1 1 2		From 1 to 2		15 28 19	Unknown	1
Calargement, Heart Carlon et al. (1975) Carlon et a	1 1 1 2	 i	From 1 to 2		15 28 19 3	Unknown	
Inlargement, Heart Impyema atty degeneration of the Kidneys 'ever, Malarial '' Puerperal '' Remittent '' Scarlet	1 1 2 1	 1 6	From 1 to 2		15 28 19	Foreign	
hlargement, Heart https://www.atty/degeneration of the Kidneys ever, Malarial " Puerperal " Remittent " Scarlet " Typhoid	1 1 2 1 1 6	 1 6 2	From 1 to 2	••••••	15 28 19 3 10 47	Foreign Unknown	
hlargement, Heart, Impyema	1 1 2 1 6	1 6 2	From 1 to 2	••••••	15 28 19 3 10 47 43	Foreign	
hlargement, Heart impyema atty degeneration of the Kidneys 'ever, Malarial 'Puerperal 'Remittent 'Scarlet 'Typhoid 'racture of Skull 'angrene	1 1 2 1 6 1	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31	Foreign	
hlargement, Heart. Impyema. Impyema. Impyema. Inty degeneration of the Kidneys '' Puerperal '' Puerperal '' Scarlet '' Typhoid 'Tryphoid 'racture of Skull 'tangrene '' Abdomen	1 1 2 16 1 1 1 1	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31 29	Foreign	
hlargement, Heart hy yema	1 1 2 1 6 1 1 1 1 1 1	1 6 2	From 1 to 2. ' 2 to 5. ' 5 to 10. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 59. ' 50 to 60. ' 60 to 70.		15 28 19 3 10 47 43 31	Foreign]
inlargement, Heart Impyema Impyema Satiy degeneration of the Kidneys "Puerperal "Scarlet "Typhoid Tracture of Skull Abdomen Leg Hemorrhage, Lungs	1 1 2 1 6 1 1 1 1 1 2	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31 29	Foreign]
hlargement, Heart httpyema atty degeneration of the Kidneys ever, Malarial '' Puerperal '' Scarlet '' Scarlet '' Typhoid 'racture of Skull tangrene '' Abdomen 'Leg Hemorrhage, Lungs Heart Clot	1 1 2 1 6 1 1 1 1 1 2 1	1 6 2	From 1 to 2. ' 2 to 5. ' 10 to 15. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90.		15 28 19 3 10 47 43 31 29 49 30	Foreign]
Inlargement, Heart Impyema atty degeneration of the Kidneys '' Puerperal '' Remittent '' Scarlet '' Typhoid 'racture of Skull '' Abdomen '' Leg Iemorrhage, Lungs Ieart Clot	1 1 2 1 6 1 1 1 1 1 2 1 1	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31 29 49 30 20	Foreign	
hlargement, Heart. Impyema Impyema Impyema Impyema Impyema Impyema Intervent Heart H	1 1 2 1 6 1 1 1 1 2 1 1 1	1 6 2	From 1 to 2. ' 2 to 5. ' 10 to 15. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90.		15 28 19 3 10 47 43 31 29 49 30	Foreign Unknown People of Color From Almshouse M.Hospital Premature Birth. Males Females]
hlargement, Heart. Impyema Impyema Impyema Impyema Impyema Impyema Intervent Heart H	1 1 2 1 6 1 1 1 1 2 1 1 1	1 6 2	From 1 to 2. ' 2 to 5. ' 10 to 15. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90.		15 28 19 3 10 47 43 31 29 49 30 20	Foreign]
hlargement, Heart httpyema. httpyema. httpyema. httpydegeneration of the Kidneys ever, Malarial httpyema. h	1 1 2 1 6 1 1 1 1 2 1 1 1	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31 29 49 30 20	Foreign Unknown People of Color From Almshouse M.Hospital Premature Birth. Males Females]
hlargement, Heart hyperma	1 1 2 1 	1 6 2	From 1 to 2		15 28 19 3 10 47 43 31 29 49 30 20	Foreign Unknown People of Color From Almshouse 'M.Hospital Premature Birth. Males Total]
chlargement, Heart Chryyema Catty degeneration of the Kidneys "ever, Malarial "Puerperal "Scarlet "Typhoid Cracture of Skull Abdomen Leg Hemorrhage, Lungs Heart Clot Hernia, Strangulatd Hooping Cough Hypertrophy, Heart "Bronchl	1 1 2 1 6 1 1 1 1 2 1 1 2 3 4	1 6 2 2	From 1 to 2		15 28 19 3 10 47 43 31 29 49 30 20	Foreign Unknown People of Color From Almshouse M.Hospital Premature Birth. Males Females]
Chlargement, Heart Chryyema Catty degeneration of the Kidneys "Yever, Malarial "Puerperal "Scarlet "Typhoid "Typhoid "Abdomen Leg Hemorrhage, Lungs Heart Clot Hernia, Strangulatd Hooping Cough Hypertrophy, Heart nfiammat'n, Brain "Bronch! "Kidneys "Larynx	1 1 2 1 1 1 1 1 2 1 1 1 2 1 1 2 1 1 1 1	1 6 2 1 4 8 2	From 1 to 2. '1 2 to 5 '5 to 10 '1 10 to 15 '2 10 to 30 '3 30 to 40 '4 40 to 50 '5 50 to 60 '6 10 to 70 '8 0 to 70 '8 0 to 90 '1 90 to 100		15 28 19 3 10 47 43 31 29 49 30 20	Foreign Unknown People of Color From Almshouse 'M.Hospital Premature Birth. Males Total	
Enlargement, Heart Empyema	6 1 1 1 1 1 2 2 1 1 1 1 2 1 1 1 1 1 1 1	1 6 2 2	From 1 to 2. ' 2 to 5. ' 10 to 10. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90. ' 90 to 100.		15 28 19 3 10 47 43 31 29 49 30 20	Foreign Unknown People of Color From Almshouse 'M.Hospital Premature Birth. Males Total	27
" Remittent " Scarlet " Typhoid " Typhoid " Abdomen Leg Hemorrhage, Lungs Heart Clot. Heoring, Strangulatd Hooping Cough Hypertrophy, Heart nflammat'n, Brain " Bronchl " Kidneys " Larynx	6 1 1 1 1 1 2 1 1 1 2 3 4 4 1 1	1 6 2 1 1 8 2 1 1	From 1 to 2. ' 2 to 5. ' 10 to 10. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90. ' 90 to 100.		15 28 19 3 10 47 43 31 29 49 30 20 1	Foreign Unknown People of Color From Almshouse 'M.Hospital Premature Birth. Males Total Still-Born.]
Enlargement, Heart Empyema Empyema Fatty degeneration of the Kidneys "ever, Malarial "Puerperal "Scarlet "Synhoid Fracture of Skull Hangrene "Abdomen Leg Hemorrhage, Lungs Heart Clot Hemorrhage, Lungs Heart Clot Hemorrhage in Managulatd Hooping Cough Hypertrophy, Heart of Bronchl "Bronchl "Kidneys "Larynx Liver "Lungs	1 1 1 2 1 1 1 1 1 2 2 1 1 1 1 2 1 1 1 1	1 6 2 1 4 8 2	From 1 to 2. ' 2 to 5 ' 5 to 10 ' 10 to 15 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 50 to 60 ' 50 to 70 ' 80 to 90 ' 90 to 100 Males Females		15 28 19 3 10 47 43 31 29 49 30 20 1	Foreign]
Chlargement, Heart Chlargema. Catty degeneration of the Kidneys "Puerperal "Puerperal "Scarlet "Synchic Typhoid "Abdomen Leg Leg Hemorrhage, Lungs Heart Clot Hernia, Strangulatd Hooping Cough Hypertrophy, Heart nflammat'n, Brain "Bronch! "Kidneys "Larynx "Liver "Lungs	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 6 2 1 1 8 2 1 1	From 1 to 2. ' 2 to 5. ' 10 to 10. ' 10 to 15. ' 15 to 20. ' 20 to 30. ' 30 to 40. ' 40 to 50. ' 50 to 60. ' 60 to 70. ' 70 to 80. ' 80 to 90. ' 90 to 100.		15 28 19 3 10 47 43 31 29 49 30 20 1	Foreign Unknown People of Color From Almshouse 'M.Hospital Premature Birth. Males Total Still-Born.	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, MARCH 26, 1881.

	RAIN	IN.	90.	ş	8	ş	\$	ş	*1	8
1	THER.	9 P. M.	Cloudy	Hazy	Cloudy	Hazy	Clear	Hazy	Clear	
	STATE OF WEATHER.	2 P. M.	Cloudy Cloudy	Cloudy	Fair	Fair	Cloudy	Clear Cloudy	Cloudy	
	STAT	7 A. M.	Foggy	Fair	Cloudy	Clear	5 Cloudy Cloudy	Clear	Cloudy Cloudy	
1	TD C	9 P. M.	-	15	17	15		11	91	Ti
ءَ ا	3 1	2 P. M.	Ø	18	22	8	8 26	4 21 11	22	T :
	OF WIND	.M .A 7	=======================================	13 18 15	10 21 17	22 26 15	90	4	14 24 10	T :
		.м.ч в	MN	N N		N. N.	×	NE	M N	
TOTAL ATTENTION OF THE PARTY NAMED IN TAXABLE	OF WIND.	2 P. M.	S W NW	≱	NW WW	NW NW	MN	NW	Z	
	30	.M.A7	NE	*	>	z	*	×	*	
	12	9 P. M.	35	91	55	71	59	8	88	
E V	HUMIDITY	2 P. M.	92	45	20	55	47	37 100	54	
1 0	H	.M.A.	100	33	71	61	61	22	20	
=		.mrminiM		80	34	83	98	98	8	T :
i '	Е В .	Maximum.	50 39	45	43	42	47	20	8	
	THERMOMETER.	Mean Daily Value.	40 46 43 43.0	40 44 40 41.0 45 38	36 42 39 39 0 43 34	36.5	33 46 43 41.2 47 30	38 49 41 42.2 50 36	33 38 37 36 2 40 28	39-9
	K.W	.M. 4 8	43	40	39	37	43	41	37	
	CHE	2 P. M.	46	4	42		46	49	&	
' _=		M.A7		4	36			86		
		Mean Daily Value.	29.52	29.62	29.57	29.29	29.70	29.81	29.68	29.65
1	BAROMETER.	9 P. M.	29.58	29.62	29.57	29.61	29.74	78.67	29.66	
i	AROM	.м.ч г	29.46	29.62	29.54	29.56	29 63	29.76	29.64	
1	#	.M .A 7	29.47 29.46 29.58 29.52	21 29 64 29 62 29 67 29 65	29-60	29·60 29·56 29·61 29·59 33 39 37 36 5 42 33	29.70	25 29·79 29 76 29·84 29·81	29.76	
!	ė	. 1	8	12	83		24	123	83	
	Month and Day.	1881. MARCH	Sunday,	Monday,	Tuesday, 22 29·60 29·54 29·57 29·57	Wed'd'y, 23	Thursd'y,24 29.70 29 63 29.74 29.70	Friday,	Saturday, 26 29.76 29.64 29.66 29.68	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

* Precipitation too small to measure,

WEEK ENDING SATURDAY, APRIL 2, 1881.

CAUSES	LTS.	MINORS.	CAUSES	LTS	NORS.	DEATHS IN EACH	i i
OF DEATH.	ADULTS	MIN	OF DEATH.	ADULTS	MIN	WARD,	
Abscess of Bowels Psoas	1	1	Jaundice Marasmus	10	1	First	2: 1:
Anemia			Necrosis of Bones of	10		Third	16
Asthma					1	Fourth	
Anonlogy	å		Neuralgia, Heart	0		Fifth	
Apoplexy Bright's Disease	1	1	Old age	11		Sixth	1
Burns and Scalds		1	Paralysis	14	*****	Seventh	18
Cancer, Diffused	1	1	Poisoning Digitalis		1	Eighth	i
" Breast	ī		Pyemia	- 2	-	Eighth Ninth	- 1
" Face	î		Poisoning, Digitalis PyæmiaRheumatism	1	******	Tenth	•
" Liver	3		" Heart	9	*****	Eleventh	
" Omentum	ì		Sclerosis of Spine			Twelfth	
" Rectum	Ī		Septicæmia	9		Thirteenth	•
" Stomach			Softening of Brain	1		Fourteenth.	ì
Casualties			Small Pox	10	31	Fifteenth	16
Cerebro-Spinal Men-	! -	1	Suffocation Syphilis	-		Sixteenth	- (
ingitis	1	' 1	Syphilis	1000	3	Seventeenth	7
Congestion, Brain	3	4	Teething		1	Eighteenth	21
Lungs		1 2	Tumor of Liver	1		Nineteenth	14
Cholera Infantum			Extra Uterine Fœta-	-		Twentieth	99
Compression, Brain.		1	tion	2		Twenty-first	3
Consumption Lungs	55	9				Twenty-second	11
Convulsions		12	1			Twenty-third	4
Croup		3	1 .	5.6	100	Twenty-fourth	26
Cyanosis		3	1	218	152	Twenty-fourth Twenty-fifth	18
Debility	3	2			ADDRES	Twenty-sixth	12
Diabetes	$\frac{1}{2}$					Twenty-seventh	26
Diarrhœa				- 1		Twenty-eighth	14
Diphtheria	1				. 1	Twenty-ninth	14
Dropsy	3	1				Thirtieth	6
" Brain		1		- 1		Thirty-first	15
" Heart	ı				1	The state of the s	•
" Lungs	•••••	1					
Disease of Heart	14					· ·	
Effusion on Brain	2		Of the above there were	:	i		
Effusion on Brain Erysipelas	$\frac{2}{2}$		·			Nativity, etc.	
Effusion on Brain Erysipelas Enlargement, Heart	2		Under I year		58	Nativity, etc.	
Effusion on Brain Erysipelas Enlargement, Heart	2 2 1		Under I year From 1 to 2		58 27	Nativity, etc.	
Effusion on Brain ErysipelasEnlargement, Heart Fatty degeneration of Liver	$\frac{2}{2}$		Under 1 year From 1 to 2		27		284
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain	2 2 1 1	······································	Under 1 year From 1 to 2 ' 2 to 5 ' 5 to 10	:	27 12	United States	284 75
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Malarial	2 2 1 1	1	Under 1 year From 1 to 2		27 12 9	United States	284 75 11
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Malarial '' Puerperal	2 2 1 1 1	1 1	Under 1 year From 1 to 2		27 12 9 14	United States Foreign Unknown	75 11 29
Effusion on Brain Erysipelas. Enlargement, Heart Fatty degeneration of Liver	2 2 1 1 1 1	1 7	Under I year		27 12 9 14	United States Foreign Unknown	75 11 29 12
Effusion on Brain Erysipelas. Enlargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal '' Scarlet '' Typhoid	2 2 1 1 1 1 1 7	1 1 7 3	Under I year		27 12 9 14 43 43	United States Foreign Unknown	75 11 29 12
Effusion on Brain Erysipelas. Enlargement, Heart Fatty degeneration of Liver. Fever, Brain. '' Puerperal. '' Scarlet. '' Typhoid Fracture of Skull.	2 2 1 1 1 1 7 1	1 7	Under 1 year		27 12 9 14 43 43 41	United States Foreign Unknown	75 11 29 12
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Pularial '' Puerperal '' Scarlet '' Typhold Fracture of Skull Hemorrhage, Lungs	2 2 1 1 1 1 1 7	1 7 3	Under I year		27 12 9 14 43 43 41 24	United States Foreign Unknown	75 11 29 12
Effusion on Brain Erysipelas. Erysipelas. Eriargement, Heart Fatty degeneration of Liver. Fever, Brain 'Malarial 'Puerperal 'Scarlet 'Typhoid Fracture of Skull Hemorrhage, Lungs 'Internal,	2 2 1 1 1 7 1 2	1 7 3	Under 1 year		27 12 9 14 43 43 41 24 31	United States Foreign	75 11 29 12
Effusion on Brain Erysipelas. Enlargement, Heart Fatty degeneration of Liver. Fever, Brain. '' Malarial. '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs 'Internal. Heart Clot	2 2 1 1 1 1 7 1 2	1 7 3	Under I year		27 12 9 14 43 43 41 24 81 17	United States Foreign Unknown People of Color	75 11 29 12
Effusion on Brain Erysipelas	2 2 1 1 1 7 1 2	1 7 3	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 11 29 12
Effusion on Brain Erysipelas. Erysipelas. Enlargement, Heart Fatty degeneration of Liver. "Malarial. "Malarial. "Scarlet. "Typhoid. Hemorrhage, Lungs "Internal. Heart Clot. Hennia, Strangulatil	2 2 1 1 1 1 7 1 2 1	1 7 3 	Under I year		27 12 9 14 43 43 41 24 81 17 18	United States Foreign	75 111 29 12 3
Effusion on Brain Erysipelas. Erysipelas. Enlargement, Heart Fatty degeneration of Liver. "Malarial. "Malarial. "Scarlet. "Typhoid. Hemorrhage, Lungs "Internal. Heart Clot. Hennia, Strangulatil	2 2 1 1 1 1 7 1 2 1	1 7 3 3 	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign People of Color, From Almshouse '' M. Hospital Premature Birth.	75 111 29 12 3
Effusion on Brain Erysipelas. Enjargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal. '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs '' Internal. Heart Clot Hernia, Strangulatd Hooping Cough '' Bronchi	2 2 1 1 1 1 7 1 2 1	1 7 3 3 1 1 2 9	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 111 29 12 3 3
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Puerperal '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs Hemis, Strangulatd Hooping Cough Inflammat'n, Brain. '' Bronchi '' Glands	2 2 1 1 1 1 7 1 2 1 1 1 3	1 7 3 3 	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign People of Color, From Almshouse '' M. Hospital Premature Birth.	75 111 29 12 3 3
Effusion on Brain Erysipelas. Enjargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs Hemorrhage, Lungs Hernia, Strangulatd Hooping Cough '' Bronchi '' Bronchi '' Glands, '' Liver	2 2 1 1 1 1 7 1 2 2 1 1 1 3	1 7 3 1 1 2 9 7 1	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 111 29 12 3
Effusion on Brain Erysipelas. Erysipelas. Erysipelas. Fatty degeneration of Liver. Fever, Brain. "Malarial. "Puerperal "Scarlet. "Typhoid Fracture of Skull Hemorrhage, Lungs "Internal. Heart Clot Hernia, Strangulatd Hooping Cough "Bronchi. "Bronchi. "Glands "Liver "Lungs	2 2 1 1 1 1 1 1 7 7 1 2 2 1 1 1 1 1 1 1	1 7 3 3 1 1 2 9 7 1 13	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 111 29 12 3 3
Effusion on Brain Erysipelas	2 2 1 1 1 1 1 7 7 1 2 1 3 2 17 2 2	1 7 3 1 1 2 9 7 1	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 111 29 12 3 3
Effusion on Brain Erysipelas. Erysipelas. Enlargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal. '' Scarlet '' Typhoid Fracture of Skull. Hemorrhage, Lungs '' Internal. Heart Clot. Hernia, Strangulatd Hooping Cough. Inflammat'n, Brain. '' Glands. '' Liver. '' Lungs. '' Perleardium. '' Peritoneum.	2 2 1 1 1 1 1 2 2 1 1 3 3 2 1 1 2 4 4	1 7 3 3 1 1 1 2 9 7 7 1 1 1 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year		27 12 9 14 43 43 41 24 31 17 18	United States Foreign	75 111 29 12 3 3
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Puerperal '' Puerperal '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs '' Internal Heart Clot Hernia, Strangulatd Hooping Cough Inflammat'n, Brain. '' Bronchi '' Glands '' Liver '' Liver '' Lungs '' Perleardium '' Perleardium '' Perleoum '' S.& Bowels	2 2 1 1 1 1 1 1 2 2 17 2 4 4 4	1 1 7 3 3 3 2 9 7 7 1 13 2 2 1	Under 1 year		27 12 9 14 43 43 41 24 81 17 18 1	United States Foreign	75 111 29 12 3 3
Effusion on Brain Erysipelas. Enjargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs Hemorrhage, Lungs Hernia, Strangulatd Hooping Cough '' Bronchi '' Bronchi '' Glands, '' Lungs '' Lungs '' Perieardium '' Perieardium '' Peritoneum '' S. & Bowels '' Spine	2 2 2 2 1 1 1 1 1 7 7 1 2 3 3	1 7 3 3 2 9 7 1 1 13 2 1	Under 1 year		27 12 9 14 43 43 41 24 81 17 18 1	United States Foreign	75 111 299 122 3 3 0 1 1
Effusion on Brain Erysipelas Enlargement, Heart Fatty degeneration of Liver Fever, Brain '' Puerperal '' Puerperal '' Scarlet '' Typhold Fracture of Skull Hemorrhage, Lungs '' Internal Heart Clot Hernia, Strangulatd Hooping Cough '' Bronchi '' Glands '' Liver '' Lungs '' Perleardium '' Perleardium '' Perleardium '' S& Bowels '' Spine '' Spine	2 2 2 2 1 1 1 1 1 7 7 1 2 3 3	1 7 3 3 2 9 7 1 1 13 2 1	Under 1 year		27 12 9 14 43 43 41 24 31 17 18 1 185 185	United States Foreign People of Color, From Almshouse ' M. Hospital Premature Birth. Males Females Total Still-Born.	75 111 29 122 3 0 1 1 1
Effusion on Brain Erysipelas. Enjargement, Heart Fatty degeneration of Liver. Fever, Brain '' Malarial '' Puerperal '' Scarlet '' Typhoid Fracture of Skull Hemorrhage, Lungs Hemorrhage, Lungs Hernia, Strangulatd Hooping Cough '' Bronchi '' Bronchi '' Glands, '' Lungs '' Lungs '' Perieardium '' Perieardium '' Peritoneum '' S. & Bowels '' Spine	2 2 2 2 1 1 1 1 1 7 7 1 2 3 3	1 1 7 3 3 2 9 7 1 18 2 2 1	Under 1 year		27 12 9 14 43 43 41 24 31 17 18 1 185 185	United States Foreign	2844 75 111 29 12 3 0 1 1 1 1 1 1 1 1 2 1 2 3

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, APRIL 2, 1881.

HUMIDITY OF WIND.
2 P. M. 9 P. M. 7 A. M.
68 49 31 NW NW NW
69 29 89 W
63 37 38 E
90 100 100 E
90 82 71 NW
90 100 91 W
79 54 61 N

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, APRIL 9, 1881.

CAUSES	ILTS	MINORS	CAUSES SOME OF DEATH.	MINORS	DEATHS IN EACH	
OF DEATH.	ADULTS	MIN	OF DEATH.	KIN	WARD.	_
bscess of Lungs		ı	Inflat'n Kidneys 1	1	First	
nemia	1		" Larynx	. 1	Second	
poplexv	4	1	" Liver	. 1	Third	
poplexyright's Disease	2	i	' '' Lungs 21	15	Fourth	
urns and Scalds		1	" Pericardium. 1	1	Fifth	
ancer, Diffused	1	İ	" Peritoneum. 5		Sixth	
" Colon	. 1		" S. & Bowels 3	4	Seventh	
" Liver	2	1	Intemperance 1	1	Eighth	
" Spleen	1		Inanition 2		Ninth	
" Stomach.	1		Malformation	2	Tenth	
" Uterus	4		Marasmus	11	Eleventh	
asualties	4		Measles 1		Twelfth	
erebro-SpinalMen-		1	Old Age 20		Thirteenth	
ingitis		1	Obstruction, Bowels 2	' 1	Fourteenth	
ongestion, Brain	2	. 4	Paralysis 16	2	Fifteenth	
". Bowels		1	Purpura Hemor-		Sixteenth	
" Lungs	2		rhagica	1	Seventeenth	
holera Infantum		, 1	Pyæmia	1	Eighteenth	
irrhosis of Liver		****	Rheumatism, Heart	3	Nineteenth	
ompression, Brain. onsumpt'n_Bowels	1		Rupture, Bloodves I	j	Twentieth	
onsumpt'n_Bowels	1		Septieemia	1 1	Twenty-first	
" Lungs	55	10	Softening of Brain 4		Twenty-second	
onvulsions	••••	16	Small Pox 10	26	Twenty-third Twenty-fourth	
" Puerperal	1		Suicide, Shooting		Twenty-fourth	
roup		5	Syphilis	. 1	Twenty-fifth	
yanosis		1 4	Tabes Mesenterica	' 1	Twenty-sixth	
enility	a	, 4	Teething	1	Twenty-seventh	
labeteslarrhœa	1		Tetanus	. 1	Twenty-eighth	
iarrhœa	2		Trismus Nascenti'm	! 1	Twenty-ninth	
iphtheria		2	Tumor, Ovarian 1	i	Thirtieth	
ropsyAbdominal.	5		Uræmia	1	Thirty-first	
" Abdominal.	1		.,	-		
OI DIAIL		3	23	9 190	! .	
neart	2	•••••	-			_
Liver	2			i	No.41-14	
isease of Heart					Nativity, etc.	
		3	i			
"Kidney	1		i		·	
" Kidney,	1 2	1				
rownedysentery	1 2 1		Of the above there were:		United States	8
"Kidney rownedysentery ffusion on Brain	1 2 1 1		Of the above there were:		Foreign	ş
rownedysentery ffusion on Brain mbolism of Brain.	1 2 1 1 1		Of the above there were:	., 72	ForeignUnknown	8
rowned	1 2 1 1 1	1	Of the above there were: Under 1 year From 1 to 2	. 28	Unknown People of Color	8
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain mpliysema, Lungs ulargement. Heart	1 2 1 1 1		Of the above there were: Under 1 year From 1 to 2 ' 2 to 5	. 28 . 41	Foreign Unknown People of Color From Almshouse	8
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain mpliysema, Lungs nlargement, Heart	1 2 1 1 1 	1	Of the above there were: Under 1 year From 1 to 2	. 28 . 41 . 22	Foreign	8
"Kidney, rowned	1 2 1 1 1	1	0f the above there were: Under 1 year From 1 to 2 '' 2 to 5 '' 5 to 10 '' 10 to 15	. 28 . 41 . 22 . 12	Foreign Unknown People of Color From Almshouse '' M. Hospital	
"Kidney, rowned	1 2 1 1 1 1	1	Of the above there were: Under 1 year	28 41 22 12 15	Foreign	-
"Kidney, rowned	1 2 1 1 1 1 3	1	Of the above there were: Under 1 year	. 28 . 41 . 22 . 12 . 15	Foreign	-
"Kidney, rowned	1 2 1 1 1 1 3	1	0f the above there were: Under 1 year	28 41 22 12 15 40	Foreign	
"Kidney, rowned	1 2 1 1 1 3 1	1 1	0f the above there were: Under 1 year	28 41 22 12 15 40	Foreign	-
"Kidney, rowned	1 2 1 1 1 3 1 1 7	1 1 1 	0f the above there were: Under 1 year	28 41 222 12 15 37 40 36	Foreign	-
"Kidney, rowned	1 1 1 1 3 1 1 7	1 1 1 	Of the above there were: Under 1 year	28 41 222 12 15 37 40 36 31	Foreign	-
"Kidney, rowned	1 1 1 1 3 1 1 1 1	1 1 1 	Of the above there were: Under 1 year	28 41 222 12 15 37 40 36 31 39 38	Foreign	-
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain. mpliysema, Lungs ulargement, Heart, atty degeneration of Liver 'Youerperal 'Scarlet 'Typhoid racture of Skuil angrene Bowels	1 2 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 	Of the above there were: Under 1 year From 1 to 2 1 2 to 5 15 to 10 10 to 15 15 to 20 10 to 30 10 40 10 40 to 50 10 to 50 10 to 50 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 60 11 to 80 11 to 80 11 to 80	28 41 222 12 15 37 40 36 31 39 38 15	Foreign	-
"Kidney, rowned	1 1 1 1 3 1 1 1 1	1 1 1 	0f the above there were: Under 1 year From 1 to 2 ' 2 to 5 ' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 60 to 70 ' 70 to 80 ' 90 to 10 100	28 41 222 15 15 37 40 38 31 39 38 15	Foreign	-
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain. mpliysema, Lungs ulargement, Heart atty degeneration of Heart atty degeneration of Liver "Scarlet "Scarlet "Typhoid racture of Skuil angrene "Bowels Foot emorrhage from	1 2 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 5	Of the above there were: Under 1 year	28 41 222 15 15 37 40 38 31 39 38 15	Foreign	-
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain. mpliysema, Lungs nlargement, Heart atty degeneration of Heart atty degeneration of Liver ever, Puerperal "Scarlet "Typhold "Typhold angrene "Bowels "Foot emorrhage from	1 2 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 5	0f the above there were: Under 1 year From 1 to 2 ' 2 to 5 ' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 60 to 70 ' 70 to 80 ' 90 to 10 100	28 41 222 15 15 37 40 38 31 39 38 15	Foreign	-
"Kidney, rowned	1 2 1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 5	0f the above there were: Under 1 year From 1 to 2 ' 2 to 5 ' 5 to 10 ' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 60 to 70 ' 70 to 80 ' 90 to 10 100	28 41 222 15 15 37 40 38 31 39 38 15	Foreign	-
"Kidney rowned ysentery flusion on Brain mbolism of Brain. mpliysema, Lungs nlargement, Heart atty degeneration of Liver ever, Puerperal "Scarlet "Typhoid racture of Skull angrene "Bowels "Foot emorrhage from Bowels emorrhage, Brain emorrhage, Brain emorrhage, Brain	1 2 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 5	Of the above there were: Under 1 year	28 41 222 15 15 36 38 31 39 38 15 2	Foreign	-
"Kidney, rowned ysentery ffusion on Brain mbolism of Brain. mpliysema, Lungs nlargement, Heart atty degeneration of Heart atty degeneration of Liver 'Scarlet 'Typhoid 'Scarlet of Skuil angrene 'Bowels emorrhage from Bowels emorrhage, Brain ernia, Umbilical coping Cough	1 2 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1 2 5	Of the above there were: Under 1 year	28 41 222 12 15 36 36 31 39 22 1	Foreign	-
"Kidney, rowned	1 2 1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Of the above there were: Under 1 year	28 41 222 12 15 36 36 31 38 38 15 2 1	Foreign	-
"Kidney, rowned ysentery flusion on Brain mbolism of Brain. mpliysema, Lungs ulargement, Heart atty degeneration of Liver ty degeneration of Liver 'Scarlet 'Typhoid racture of Skuil angrene Foot emorrhage from Bowels emorrhage, Brain ernia, Umbilical eoping Cough	1 2 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1 2 5	Of the above there were: Under 1 year	28 41 222 12 15 36 36 31 38 38 15 2 1	Foreign	-

. Meteorological Observations taken at the Signal Office, Philadelphia,

DUBING THE WEEK ENDING SATURDAY, APRIL 9, 1881.

RAIN	9 P. M. IN	Fair •00	Clear 00	Clear 00	10. Apn	Clear 000	Threat- ening. 00	00. Apn	10.
STATE OF WEATHER.					Cloudy Cloudy			ly Clo	
TE OF W	2 P. M.	Fair	Cloudy	Cloudy	Cloud	· Fair	Clouc	Clouc	
STA	7 A. M.	8 Cloudy	Cloudy	Clear	Fair	Clear	1 4 0 Cloudy Cloudy	5 Cloudy Cloudy Cloudy	
N G	9 P. M.		17	19	23	9 18 13	0	-CI	<u> </u>
VELOC'Y OF WIND	2 P. M.	16 15	10 13 17	20	26	18	4	4	<u>:</u>
OF	.M.A7	16	2	8	16			9	<u> </u>
D.	.м.ч е	M	z	W NW 26 20 19	NW NW 16 26 25	54 NWNWNW	Calm	ΣΩ	
DIRECTION OF WIND.	2 P. M.	N M N W	N N			MN	A	NE	
A 0	.M.A7	N N	Z	W N 77	8	A Z	NE	NE	
IVE	9 P. M.	61	69		99		69	65	
RELATIVE	2 P. M.	88	61	69	61	58	49	45	
RE	.M.A7	88	69	8	56	78	65	65	
	.momlaiM	8	8	83	8	88	36	9	l :
TER	.mrmixsM	- 4	37	33	35	52	52	53	
THERMOMETER.	9 P. M. 4 Baily . Maen Daily .	385.0	31 36 31 32 2 37 28	8 27.5	329.7	343.0	3 45.2	3 46.7	37.0
IER	2 P. M. 8 P. M.	<u> </u>	9	<u>ষ</u>	<u>4</u>	4	<u>4</u>		 :
1	M.A. M.	<u></u>	- 13	<u> </u>		- <u>5</u>	4	70	<u> :</u>
	Mesn Daily Velue.	29-99 29-87 29-86 29-90 29 39 36 35-0 40 28		29.69 29.60 29.72 29.68 23 31 28 27.5 33 22	6 29 70 29 66 29 86 29 77 29 34 28 29 7 35 26	29.97	30.01 29.88 29.84 29.89 41 48 46 45.2 52 36	9 29-90 29-87 29-88 29-88 41 50 48 46-7 53 40	\$3.87
BAROMETER.	9 P. M.	29.86	29.64	29.72	29.86	29.98	29.84	29.88	
BARO	2 P. M.	29.87	59.60	59.60	29.66	29-93	29.88	29.81	
	.M. A 7	29-99	4 29.78 29.60 29.64 29.67		29.70	29-98	30.01	29.90	
Month and Day.	1881. APRIL.	Sunday, 3	Monday, 4	Tuesday, 5	Wed's'y, 6	Thursd'y, 7 29.98 29.93 29.98 29.97 30 50 46 43.0 52 26	Friday, 8	Saturday, 9	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, APRIL 16, 1881.

	و-						
CAUSES OF	1	RS	CAUSES OF	118	88	DEATHS IN EACH	
DEATH.	ADULTS	MJNORS	DEATH.	ADULTS	MINORS	WARD.	
		_					
Abscess of Back	1	•••••	Neuralgia of Heart	1	•••••	First	22 17
Apoplexy	10	;	Neurosthenia	l o	•••••	Second Third	17
Bright's Disease	6	1	Old Age	24		Fourth	7 13
Cancer of Liver Stomach	1 2		Ovarian Cysts Paralysis	1 6		Fifth	3
Casualties		į	Poisoning, Paris	U		Sixth	3 5
Cerebro-spinal Me-		•	Green	1		Seventh	21
ningitis	1	2	Purpura Hemorrha-	-		Eighth	9
Congestion, Brain	4	5	gica		1	Ninth	6
nungs	0	2	Pyemia	2		Tenth	14
Cholera Infantum		2			2	Eleventh	4
Cirrhosis of Liver		•••••	Septicæmia	1		Twelfth	4 11
Compression, Brain	1		Softening of Brain.	3		Thirteenth	11
Consumption,		8	Small Pox Suffocation	18 1	24	Fourteenth Fifteenth	15
Lungs Convulsions	30		Synovitis of Knee	1 *		Sixteenth	7
Croup		8	Joint	1		Seventeenth	7
Cvanosis	i	2	Syphilis			Eighteenth	17
Debility Diarrhœa	7	3	Tetanus	1		Nineteenth	28
Diarrhœa	1	2	Tumor of Rectum	1		Twentieth	15
Diphtheria	1	5 2	Ulceration of	١.		Twenty-first	12
Dropsy	1	' 2	Stomach	1		Twenty-second Twenty-third	12
ADdominai.	Z		Uræmia	2	·····	Twenty-third	8 21
" of Brain " Heart		2		236	176	Twenty-fourth	15
Disease of Heart		. 1	1	200	1/0	Twenty-fifth Twenty-sixth	14
"Kidney				_		Twenty-seventh	30
" Liver		1				Twenty-eighth	24
Dysentery		1				Twenty-ninth	15
Effusion on Brain		1				Thirtieth	12
Embolism, Brain	1	1			1	Thirty-first	15
Enlargement, Heart	. 3	••••	1			-	
Liver		1 1	1		ì	j l	
Epilepsy	1 2	1	04 454 45444 45444				
Erysipelas	. 1	•••••	Of the above there were	0 ;	1		
Fever, Puerperal Remittent	٠, ٠	1	Under 1 vear		75	Nativity, etc.	
" Scarlet		5	Under 1 year		34		
" Typhoid	3	4	' 2 to 5		26		
Gangrene, Senilis	. 1		'' 5 to 10			United States	309
Heart Clot							87
Hemorrhage from			15 to 20			Unknown	16 32
Uterus			20 10 30		90	People of Color	12
" Umbilical. Hooping Cough			' 30 to 40 ' 40 to 50		32	From Almshouse "M. Hospital	7
Hypertrophy Heart	ī	1	" 50 to 60		35	m. mopilar	
Hypertrophy, Heart Inflammat'n, Brain	î	13	" 60 to 70				_
Dionentario	5	10	" 70 to 80		35		
" Larynx	.	. 3	" 80 to 90		17	Premature Birth.	
"Liver	. 2		'' 90 to 100	••••••	4		
" Lungs	. 22	19					
rencaratum			.' '' 110 to 120	•••••	1	Males	3 2 5
T CLITORERIU	2	1			1	Females	=
" Pleura " S. & Bowels.		6	•			Total	, ,
" Uterus		1	.1		1		
Insanity			1		1		1
Inanition		6	1		1	Still-Born.	1
Indigestion			1		ļ		
Laryngismus Stri-	-		Males		203		
dulus	.		Females	•••••	. 209	Males	8
Malformation			Boys	•••••		Females	12 20
Marasmus		. 9	Girls	•••••	. 88	Total	20
	1	·	1		'		

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DUBING THE WEEK ENDING SATURDAY, APRIL 16, 1881.

1															-									
Konth and Day.	рау.		BARO	BAROMETER.	4.2		TH	ERM	THERMOMETER.	CTE	nė.	RE	RELATIVE HUMIDITY	IVE	ă°	DIRECTION OF WIND.	Ä.	VE	VELOC'Y OF WIND	<u></u>	STATE	STATE OF WEATHER.	THER.	RAIN
1861. APRIL		.M .A 7	.м.ч 2	.м.ч е	Mean Daily Salae.	.M.A 7	2 P. M.	9 P. M.	Mean Daily Value.	.mrmixsM	.muminiM	.M.A 7	2 P. M.	.м.ч в	.M .A 7	.M 4 &	.м.ч е	.M.A 7	2 P. M.	B P. M.	A. M.	2 P. M.	9 P. M.	IN.
Sunday,		10 29-84 29-79 29-92 29-87	29-79	29-92	29.87		4 58	\$ 52	44 58 52 51 5	8	62 41	8	27	35	Z	NE	z	12	8 16		Cloudy	Clear	Clear	99
Monday,	11		30.00	30.05	30.02 30.00 30.05 30.03		200	26	45 60 56 54.2	19 2	43	48	\$		40 N W	N	NN	12 17		ς γ	Fair	Cloudy	Hazy	99
Tuesday,	, 12	79.89	29.77	29.78	29.89 29.77 29.78 29.81		4 52	240	44 52 40 44.0	<u>-2</u>	55 39	92	79	16	E	SE	妇	12	2 15		Light Rain	Cloudy	Cloudy	•24
Wed'd'y, 13 29.68 29.52 29.61 29.60	.E	29.68	29.52	29.61	9.6% 	<u> </u>	39 41	8	40 40.0	-24	42 38	91	92	91	P	E	z	14	9 11		Light Rain	Light Rain	Cloudy	·10
Th'rsd'y, 14 29.67 29.60 29.47 29.55 41 46 48 43.2 47 38	, 14	29.67	29.60	29.47	29.95	4	176	£	43.5	247	38	74	92	67	z	NE.	NE	16	18 23		Cloudy	Light Rain	Light Rain	.01
Friday,	15	15 29.45 29.36 29.54 29.47	29.38	29.54	29.47		਼ੂਰ ਜੂਨ	8	41 55 48 48 0 57 39	-5.	38	57	88		43 N W	M	NE	83	23	-	Fair	Clear	Fair	ř
Saturday, 16	, 16	29.61	29.59	29.70	29-59 29-70 29-65	2 47	7 58	53	58 53 52.7		61 41	62	32	8	N N	Z	Z	6	9 16 10		Clear	Clear	Clear	ģ
Means					29.71	<u> : </u>	<u> </u>		47.7									.: :	1 .:					××

The service of the mercury in the cistern of Barometer is 46°9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

*Rain fall too small to measure.

WEEK ENDING SATURDAY, APRIL 23, 1881.

CAUSES OF DEATH.	ADULTS	MINORS	CAUSES OF DEATH.	ADULTS	MINORS	DEATHS IN EACH WARD.	
Abscess of Hip	1 1 1 1 1 1 1 1 1 1 1 1 8 8 1 1 2 2	1 1 3 3 2 2 2	" Pericardium. " Periconeum. " S. & Bowels. Intemperance. Insanity. Inanition Marasmus. Measles. Old Age Ossification, Heart. Paralysis.	20 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 3 7 7 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ninth Tenth Eleventh Twelfth Twelfth Thirteenth Fourteenth Sixteenth Seventeenth Elghteenth Nineteenth	28 18 7 7 8 8 15 5 8 8 8 6 6 211 111 17 200 25 18 6 144 15 200 16 144 16 16 144 16 16 16 16 16 16 16 16 16 16 16 16 16
Malarial Convulsions Croup Cyanosis Debility Diabetes Diarrhœa	5 1 1	22 8 4 4 4	Tumor of Brain, Ulceration, Bowels Wounds, Gunshot	1 1 1 255		Twenty-ninth, Thirtieth Thirty-first	21 11 24
Dropsy	1					Nativity, etc.	200
" Abdominal " Chest " Heart " Lungs Disease of Heart " Liver Effusion, Lungs	1	*****			17 34 11	" M. Hospital	302 101 20 28 10
Epilepsy Erysipelas Enlargement, Heart Fatty degeneration of Heart Fever, Remittent	2 2				8 15 61 44 36 34	Premature Birth.	
" Scarlet " Typhold Fungus Hæmatodes Hemorrhage, Brain. " Lungs	11 1 1	12 8	" 60 to 70	 	32	Males Females Total	. 4
"Umbilical Hooping Cough Hypertrophy of		1 3			 	Still-Born.	
Prostate	1 2 4 1	8 8 1	Males Females Boys Girls	•••••		MalesFemales	18

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, APRIL 23, 1881.

	RAIN	IN.	\$	\$	ş	\$	\$	\$	ê 	8
•	HER.	9 P. M.	Cloudy	Hazy	Clear	Clear	Fair	Fair	Clear	
	STATE OF WEATHER.	2 P. M.	Cloudy	Cloudy	Clear	Fair	Clear	Cloudy	Clear	
	STATI	7 A. M.	Clear	Light Rain	Clear	Cloudy	Clear	Cloudy	Clear	
	X Q	9 P. M.	œ	90	6	7	6	8 14	90	1 :
	VELOC'Y OF WIND	2 P. M.	14 20	4	4	~	6		4	1 :
	VE OF	.M.A.	4	9	-	6	4	00	12	<u> : </u>
-	o.	.м.ч е	×	MM	202	SE	*	8w	8W	
	DIRECTION OF WIND.	.м.ч 2	z	Z	x	SE E	S W	8	NE	
-	<u> </u>	.M.A7	N W	Z	NE	SE	*	*	Z	
	VE	.М.Ч е	51	11	61	35	53	81	09	
	RELATIVE HUMIDITY	ъъ.м.	প্ত	5	33	53	35	53	88	
	H	.M .A 7	40	53	43	61	75	65	99	
		.mrmlniM	43	4	59 38	40	88	47	49	ī :
	ER	.mumixaM	61	56 44	59	52	2	66 47	72	:
	тиекмометек	Mean Dally Value.	46 57 56 53.7	51 48 46 47.7	47.0	45 51 43 45.5 52 40	51.5	50 64 55 56.0	55 67 52 56 5 72 49	
	ERN	9 P. M.	56	46	43 55 45	43	51	55	52	
	ТП	2 P. M.	57		55	51	43 61	-64	9	<u> </u>
		.M.A7								
		Mean Daily Value.	29.83	29-90	30.13	30.12	80.08	30.08	30.24	30.08
	BAROMETER.	ж.че	29.84	29.97	30.14	30-13	30.08	30-09	30.28	
	BARO	.м.ч г	29.82	29.82	30.11	30.08	30.02	30.04	30.52	
		.M.A 7	17 29.83 29.82 29.84 29.83	29.85	30.14	30.13 30.09 30.13 30.12	30-14 30-07 30-08 30-09	22 30.08 30.04 30.09 30.08	30.18	
	Month and Day.	1881. APRIL.	Sunday, 17	Monday, 18 29.85 29.82 29.97 29.90	Tuesday, 19 30-14 30-11 30-14 30-13	Wed'd'y, 20	Thursd'y 21	Friday, 22	Saturday, 23 30.18 30.22 30.28 30.24	Means
	Ä		$\mathbf{g}_{\mathbf{n}}$	Ĭ	Ţ	≽	Ţ	F	\mathbf{z}	1

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, APRIL 30, 1881.

CAUSES	ADULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	AD	MIN	OF DEATH.	ADI	ж	WARD.	
Abscess			Inflammation Sto-			First	2
" Liver				2		Second	1
Apoplexy	7			2		Third	1
Bright's Disease	6			4	*****	Fourth	
Burns and Scalds			Inanition	2		Fifth	
Cancer, Breast	1		Jaundice	1		Sixth	1
'' Jaw '' Knee					- 1	Seventh	1
Liver					19	Eighth,	
" Omentum				******	10	Tenth	13
" Pancreas				1		Eleventh	13
" Uterus				9.			
Casualties			Ovarian Cysts		******	Thirteenth	
Cerebro-SpinalMen-		1	Paralysis	13	1	Fourteenth,	
ingitis		4			2	Fifteenth	130
Congestion, Brain			Rheumatism	1		Sixteenth	
Liver	1	*****	" Heart	1			
Lungs	3	4	Purpura		1	Eighteenth	1
Cholera Infantum			Septicæmia	****		Nineteenth	13
Cirrhosis, Liver	2			1		Twentieth	10
Colic	1 1		Small Pox	9	33	Twenty-first	10
Consumpt'n, Bowels	2		Syphilis		2	Twenty-second Twenty-third	
" Lungs.				++++ +	1	Twenty-third	
Convulsions			Tetanus			Twenty-fourth	
Croup				1			1
Cyanosis				1		Twenty-sixth	
Debility		1 2	Ulceration, Bowels	1		Twenty-seventh	1
Diarrhœa Diphtheria				******	- 1	Twenty-eighth	1
Dropsy	4			000	174	Twenty-ninth	Č
Abdominal.	1			240	1/4	Thirtleth	ď
" Brain				-	_	Thirty-mist,	
" Chest			1				_
" Heart							
" Lungs,	1	*****					
Disease, Heart	11		Of the above there were			Nativity, etc.	
Drowned	1	2					-
Effusion, Brain	******	1	Under 1 year		75	United States	30
Erysipelas	2	*****	From 1 to 2		22	Foreign	- 1
Enlargement, Heart	2		** 2 to 5		42		
Exposure	*****	1	' 5 to 10		13		-
Fatty degeneration			10 to 15		4	From Almshouse	
of Heart	1		10 10 20		18	" M. Hospital	10
Fever, Puerperal	2		20 10 00		56	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	7	14	90 to 40		33		-
" Typhoid Heart Clot	1	2	" 50 to 60		28		
Hemor'hage Powels		ï	" 60 to 70		25		
Hemor'hage, Bowels Lungs	1		1 70 to 80		39	Promature Birth.	
Hernia,Strangulatd	3		44 80 to 90		7	Fromature Diren.	
Hooping Cough		5			2	Males	
Hypertrophy, Heart	1		" 100 to 110		ĩ	Females	
Hydrophobia		1	200 10 220000000			Total	
Inflammat'n, Brain	1					20004	
" Bronchi-							
" Bladder	1						
" Kidneys	2	1				and the same of th	
" Larynx		1				Still-Born.	
" Liver	1	+++++	Males		211		_
" Lungs	27	ő				Males	1
Pericardium Peritoneum	1 2	1	Boys		103	Females	
					71		- 3

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, APRIL 30, 1881.

RAIN	, Ki	ş	9	80	\$	\$	*1	\$	%
HER.	9 P. M.	Clear	Cloudy	Fair	Cloudy	Hazy	Clear	Clear	
STATE OF WEATHER.	2 P. M.	Clear	Cloudy	Cloudy	Cloudy	Fair	Fair	Clear	
STATE	7 A. M.	Clear	Fair	Cloudy	Cloudy	Cloudy	Cloudy	Fair	
×Θ	9 P. M.	9	4 15	4	~	4		15	T : '
VIN VIN	2 P. M.	9 14 16	4	00	3	12	17	8 10 15	
VELOC'Y OF WIND	.M.A 7	0	67	2	4	. 7	12,17,11	œ	i :
====	.м.че	>	田	88	SE	SE	NE	NE	
DIRECTION OF WIND.	2 P. M.	SW	NE	×	闰	z	NW	NE NW	
IG C	.M.A7	*	N N	NE	Z	8	SW		
VE	9 P. M.	99	74	75	82	8	82	88	
RELATIVE	2 P. M.	37	31	64	20	43	4	26	
REI	.M.A 7	28	73	93	13	88	7.2	41	
	.mumiaiM	45	-53	6	73	65	92	49	T :
ER.	.mumixsM	<u>è</u> -	72	92	2	74	12	67	i :
'HERMOMETER.	Mean Daily Value.	48 75 68 64.7 78	64 80 54 63.0 82 51	51 75 70 66.5 76 49	62 68 59 62.0 70 55	64.5	63.5 72 56	56.2 67	6.29
ERN	.K.4 9	8	72	2	29	-35	62 70 61	52 65 54	
T.H	.м.ч 2	- 22	<u> </u>	72	88		2		<u> </u>
	.M.A7		2		39	12	. 30		
	Mean Daily Value.	30.07	29.94	29.80	29.88	29.99	30.03	30.29	30.00
BAROMETER.	.м.ч е	29.98	29.93	29.79	29.90	29-99	30.13	30.34	
BAROI	.м.ч г	30.02	29.91	29.57	29-86 29-86 29-90 29-88	29.97	29.94	30-29 30-20 30-34 30-29	30-00
	.M .A 7	24 30.26 30.05 29.98 30.07	29.98	26 29-86 29-57 29-79 29-80	29.86	29.98	29 29-93 29-94 30-13 30-03		
<u> </u>		22	क्ष	83	27	8	8	30	T :
Month and Day.	1881. APRIL.	Sunday,	Monday, 25 29.98 29.91 29.93 29.94	Tuesday,	Wed'd'y, 27	Thursd'y,28 29.98 29.97 29.99 29.99 55.73 65 64.5 74 53	Friday,	Saturday, 30	Means

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

*Precipitation too small to measure.

WEEK ENDING SATURDAY, MAY 7, 1881.

CAUSES ,	ADULTS	MINORS	C	AUSE	8	DULTS	MINORS	DEATHS IN EACH	HI.
OF DEATH.	A DU	MIN	OF	DEAT	r H .	ADU	MIN	WARD,	
Abscess of Liver	1		Inflam	matio	n. Peri			First	-
Asthma	1	i	cardi	um		1		Second	
Apoplexy	4		Inflam	matio	n, Peri-	_		Third	
Bright's Disease	5	1	tone	ım	Dlamma	2		Fourth	
Cancer, diffused Breast,	1 4		Inflam	marn,	owels	1 4		Fifth	
" Liver	2		Intem			i	1	Seventh	::
" Stomach			Inanit	on			2	Eighth	
" Uterus	2	1	Mania-	-a-poti	1	2	l	Ninth	!
Carbuncle			Malfor	mation	a		1	Tenth	••
Caries			Marası	nus	•••••		19	Eleventh	••
Casualties	3	2	Old Ag	e		9		TWEITTH	
Congestion, Brain	1 2	8	Obstru Paraly	cun, B	owers	1 4		Thirteenth	٠, ١
Lungs Cholera Infantum		2	Ruptu	re of P	lowels	i		Fifteenth	
Cirrhosis, Liver	3		Scroful	a		i		Sixteenth	
longumnt'n Lungs	54	10	Septice	emia		î		Seventeenth	
Convulsions	l	19	Softeni			1	.,	Eighteenth,	••
_ acipaim			Small	Pox	····, ·····	15	20	Nineteenth	
Croup	1	3	Suffoce	ition	**************	1		Twentieth	••
Cyanosis Debility	6	4	Suicide	of A be	lomon	1		Twenty-first Twenty-second	••
Diarrhœa	i	1	Tilcera	tion Si	domen. tomach		•••••	Twenty-third	
Diphtheria		12	Unkno	wn		li	•••••	Twenty-fourth	
Dropsy	2							Twenty-fifth	
'' Abdominal	ī					210	172	Twenty-sixth	
'' Brain	·····	1			•			Twenty-seventh	
" Chest								Twenty-eighth	
near t		1					!	Twenty-ninth	
" Kidneys Disease of Heart								Thirtieth Thirty-first	••
Liver,		"					'	1 1111 by - 111 ht	٠.,
Drowned	. 3						ı	 	_ -
Empyema	, 1		Of the	e above t	here were) :	l		,
Embolism of Brain.	1	·		_					
Epilepsy	, 1		Under	ı year	•••••••••••••••••••••••••••••••••••••••	•••••	64 28	Nativity, etc.	
Enlargement, Liver	1	1	From 1	10 2	•••••	•••••	30	Tinited States	! 2
	i		66 6					United States	
Exposure	¦	i	From 1	to 5		•••••	22		
atty degeneration	ł		' '' 5	i to 10			22 13	Foreign	!
Tatty degeneration of Heart Fever Puerperal	1 2		' '' 5 '' 10	to 10 to 15 to 20		······	13 15	Foreign Unknown People of Color	'
'atty degeneration of Heart Fever.Puerperal	1 2	14	" 10 " 15	to 10) to 15 to 20 to 30		······	13 15 42	Foreign Unknown People of Color. From Almshous	 e
catty degeneration of Heartever, Puerperal	1 2	14	' ' 10 '' 15 ' ' 20	to 10) to 15 to 20 to 30 to 40		······	18 15 42 40	Foreign Unknown	 e
catty degeneration of Heart Fever, Puerperal '' Scarlet	1 2	14	' 10 ' 15 ' 20 ' 30 ' 40	to 10) to 15 to 20 to 30 to 40 to 50	••••••	······	18 15 42 40 41	Foreign Unknown People of Color. From Almshous	 e
Catty degeneration of Heart	1 2 5 1 1	14 6	' 10 ' 15 ' 20 ' 40 ' 40	to 10) to 15 to 20 to 30 to 40 to 60	••••••		13 15 42 40 41 24	Foreign Unknown People of Color. From Almshous	 e
Catty degeneration of Heart	1 2 5 1 1	14 6	' 10 ' 15 ' 20 ' 40 ' 40	to 10) to 15 to 20 to 30 to 40 to 60	••••••		13 15 42 40 41 24 32 22	Foreign Unknown People of Color. From Almshous	 e
Catty degeneration of Heart	1 2 5 1 1 1	14 6 	50 11 10 11 11 11 11 11 11 11 11 11 11 11	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90			13 15 42 40 41 24 32 22	Foreign Unknown People of Color. From Almshous	 e
'atty degeneration of Heart 'ever, Puerperal '' Scarlet '' Typhoid Gangrene of Arm ' Leg ' Lungs Heart Clot '' Lungs.	1 2 5 1 1 1 1	14 6	10 11 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign Unknown People of Color. From Almshous	 e
'atty degeneration of Heart 'ever, Puerperal 'Scarlet 'Typhoid Gangrene of Arm 'Leg 'Lungs. Heart Clot Hemor'hage, Bowels ''Utterus ''Utterus	1 2 5 1 1 1 1 1 1	14 6	10 11 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	 e
'atty degeneration of Heart 'ever, Puerperal 'Scarlet 'Scarlet 'Typhoid Gangrene of Arm Lungs. 'Lungs. Hemor'hage, Bowels 'Lungs. 'Uterus 'Internal	1 2 3 1 1 1 1 1 1 1 1	14 6	10 11 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
'atty degeneration of Heart 'ever, Puerperal '' Scarlet '' Scarlet '' Typhoid Bangrene of Arm '' Lungs. Heart Clot Hemor'hage, Bowels '' Lungs. '' Uterus '' Internal Hooping Cough	1 2 5 1 1 1 1 1 1 1 1	14 6 1	50 100 100 100 100 100 100 100 100 100 1	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
'atty degeneration of Heart 'ever, Puerperal '' Scarlet '' Scarlet '' Typhoid Bangrene of Arm '' Lungs. Heart Clot Hemor'hage, Bowels '' Lungs. '' Uterus '' Internal Hooping Cough	1 2 5 1 1 1 1 1 1 1 1	14 6 1 1 2 1	50 100 100 100 100 100 100 100 100 100 1	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
'atty degeneration of Heart	5 1 1 1 1 1 1 1 1	14 6 1	5 100 1 100	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
'atty degeneration of Heart	5 1 1 1 1 1 1 1 1	14 6 1 1 2 1 1 1	" 50" 100" 100" 100" 100" 100" 100" 100"	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
"atty degeneration of Heart	1 2 5 1 1 1 1 1 1 1 3 4	14 6 1 1 2 1 1 1 1 1 1	" 50" 100" 100" 100" 100" 100" 100" 100"	i to 10 i to 15 i to 20 i to 30 i to 40 i to 50 i to 60 i to 70 i to 90 i to 100			13 15 42 40 41 24 32 22 5	Foreign	e il
Fever, Puerperal 'Scarlet Typhold Gangrene of Arm 'Lungs Heart Clot Lungs Lungs 'Lungs 'Lungs 'Lungs Hemor'hage, Bowels 'Lungs 'Hemoring Cough Hooping Cough Heart Inflammat'n, Brain 'Bladder 'Heart 'Heart	1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1466	" 10 " 10 " 12 " 20 " 4 " 4 6 " 4 6 6 6 6 7 7 8 8 8 8 8 8 8 8 9 9 9 9 1 9 1 9 1 9 1 9	5 to 10 5 to 20 5 to 20 6 to 30 6 to 30 7 to 60 7 to 60 7 to 60 7 to 50 7 to 100			18 15 42 40 41 24 32 22 5 2 2	Foreign	e il
ratty degeneration of Heart rever, Puerperal rever, Puerperal rever, Puerperal rever, Puerperal ryphoid Gangrene of Arm Lungs. Lungs. Lungs. Lungs. Lungs. Luterus Internal Hooping Cough Hypertrophy, Brain rinflammat'n, Brain	1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 6 1 1 2 1 1 11 7	" 10" 10" 10" 10" 10" 10" 10" 10" 10" 10	5 to 10 5 to 20 5 to 20 6 to 30 7 to 40 7 to 60 7 to 70 7 to 70 7 to 100 7 to 100 80 80 9 to 100 9 to 100			18 15 42 40 41 24 32 22 2 2 2	Foreign	 e' ll
ratty degeneration of Heart rever, Puerperal rever,	1 2 5 1 1 1 1 1 1 1 1 2 2	14 6 1 1 1 1 1 2 1 1 1 1 7 7	5 5	is to 10) to 15) to 20) to 30) to 30) to 50) to 60) to 60) to 90) to 90) to 110			13 15 42 40 41 24 32 22 5 2 2	Foreign	e e i
'atty degeneration of Heart 'ever, Puerperal 'ever, Puerperal '' Scarlet '' Typhoid Gangrene of Arm ' Lungs. ' Lungs. '' Lungs. '' Uterus '' Uterus '' Uterus ''Hoporing Cough Hopping Cough 'Hypertrophy, Brain 'Bladder ''Bladder ''Heart ''Kidneys	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 6 1 2 1 1 1 1 7 1 1 1 1	" 15" 20" 15" 20" 15" 20" 15" 20" 15" 20" 15" 20" 15" 20" 20" 20" 20" 20" 20" 20" 20" 20" 20	is to 10 is to 20 is to 20 is to 20 is to 30 is to 60 is to 60 is to 80 is to 80 is to 90 is to 110			18 15 42 40 41 24 32 22 2 2 2	Foreign	e di

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, MAY 7, 1881.

Month and Day.		BARO	BAROMETER		E	ER	THERMOMETER.	TER.	-	REL	RELATIVE	VE	DIN	DIRECTION OF WIND.	D.	VE.	VELOC'Y OF WIND	.×₽	STAT	STATE OF WEATHER.	THER.	RAIN
1881. MAY.	.K .A 7	2 P. M.	в Б. Ж.	Mean Daily Value.	.M.A7	2 P. M.	Mean Daily Value.	.msmlxsM	Minimum.	.M.A7	2 Р. М.	9 P. M.	.M .A 7	.м.ч.	ж.ч в	.M.A7	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Ä
Sunday, 1	30.49	30.34	30.56	30-26 30-34 45 62 52 52-7 65 42	45 6:	2 52	52.7	3	3	61	41		A	×	\mathbf{x}	00	8 13 10	10.	Clear	Fair	Clear	ş
Monday, 2	30.07	30.08	30-09 30-16 30-12	30-12	62 6	3:60	62 63:60 61 2 68 51	89	51	- 12	~ <u>&</u> ~	 8 8	≱	Z	Z	16	16 21	00	8. Cloudy	Light Rain	Fair	.18
Tuesday, 3	3 30-33	30.34	30-33 30-34 30-38 30-36	30.36	49.5		49 58 50 51.7 60 48	9	30	49	<u>3</u>	28	田	প্ৰ	8W		16 58	00	8 Cloudy	Cloudy	Clear	8
Wed'd'y, 4	30-44	30.39	30.39 30.43 30.42 49.64 50 53.2 66 45	30-42	49 6	150	53.2	99	5	82	39	25	NE	闰	SW	4	4	6	Clear	Clear	Clear	\$
Thursd'y, 5	5 30.40	30.33	30-40 30-33 30-26 30-31			1.53	47 61 53 53 5 63 43	83	43	85	8	59 NE	NE	σΩ	σα	90	8 12 12	12	Fair	Cloudy	Cloudy	10
Friday, 6	90.08	29-97	30.06 29.97 30.02 30.02 50 56 58 55 5 59 46.	30-02	50,56	3 58	55.5	99	. 46	83	87.	85	闰	≱	Z	9	3	6	Light Rain	Threat- ening	Cloudy	, 33
Saturday, 7	30-11	30-11 30-09	30-10	30-10 30-10 65 61 54 56-0 64 50	55 6.	15	26.0	49	202	8	98	4	NE	B	8W	10		6 11	Cloudy	Cloudy Cloudy	Clear	9.
Means 30-24				30-24	: :	<u> </u>	54.8	Ιİ	† †	十十	$\dagger \dagger$	<u> </u>				<u> </u>	† :	:				.52

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, MAY 14, 1881.

CAUSES OF DEATH,	ADULTS	MINORS	CAUSES OF DEATH.	ADULTS	MINORS	DEATHS IN EACH WARD.	
7-3-57	_			-	_		
Abscess, Glandular		1			2	First	15
VII GC Orriver		1	" Peritoneum	5	3	Second	13
Littly II.A		1		5			5 10
Asthma			D. O. DOMETE'			Fourth	10
Apoplexy	1 5	è	O terus	1		Fifth	15
Aneurism of Aorta, Bright's Disease	8		A CITIES	1		Sixth	1 19
Burns and Scalds	2	Î	Intemperance	1		Seventh	18
Cancer, Breast,	2			1		Ninth	4
" Mouth	ĩ					Tenth	12
Rectum	i		Ne iralgia, Heart	2			3
" Stomach	2	1	Necrosis, Ankle-j'nt	-	1		7
" Uterus	1		Old Age	17			5
Casualties	3		Ossification, Heart			Fourteenth	8
Cerebro-SpinalMen-	1		Paralysis			Fifteenth.	19
ingitis		2	Poisoning, Carbolic	11	******	Sixteenth	- 8
Congestion, Brain		2	Acid		1	Seventeenth	12
Lungs.	1	- 5	Polsoning, Cyanide	******		Eighteenth	24
Spine,	1		of Potas		1	Nineteenth	19
Chorea	1		Purpura Hemorrha-	*****	1	Twentieth	17
Cholera Infantum		6	gica	1	1	Twenty-first	îi
Cirrhosis of Liver,	2			î		Twenty-second	- 8
Consumpt'n, Bowels	1	1	Septicæmia,	î	1	Twenty-third	14
Lungs	40		Sore Mouth		i	Twenty-fourth	21
Convulsions		19	Softening, Brain	2		Twenty-fifth	īī
Croup		5	Stomach	ĩ		Twenty-sixth	12
			Small Pox	11		Twenty-seventh	23
Debllity	1	5	Suicide, Hanging	1		Twenty-eighth	23 18
Diarrhœa	2	1	" Drowning			Twenty-ninth	24
Diphtheria		6	" Shooting	î	******	Thirtieth	8
Dropsy		1		î		Thirty-first	. ĕ
" Abdominal.	2		Synhilis	i	1		-
" Brain,		2	Tetanus		î		
" Heart	3	*****	Trism's Nascentium		î		
" Lungs	1		Trombosis	1			
Disease of Heart	7	1	Ulceration Stomach	î		Nativity, etc.	
Effusion on Brain	2	2	Uræmia	î	******		
Embolism of Brain.	ĩ	******		_		United States	279
Epilepsy	1 25			213	167	Foreign	85
Crysipelas	3	1		-	-	Unknown	16
Enlargement, Heart	1	******	min outside			People of Color	80
Fatty degeneration			Of the above there were	:	11.0	From Almshouse M. Hospital	10
of Liver	1					" M. Hospital	4
Fever, Catarrhal		1	Under I year	******	72 18		
Intermittent			From 1 to 2		18		
Tiervous			" 2 to 5		33		
remitten t	1		" 5 to 10		24		
Scarret		19			10	10-8-0-	
	6		15 to 20 20 to 30		10	Premature Birth.	
			20 to 30	,,,,,,,	37		
racture of Leg	1		30 to 40		31	Males	4
Thigh	1		40 to 50		38	Females	2
Jangrene of Lung		1			27	Total	6
Heart Clot	1	******	DO THE ADMINISTRATION		25		
Iemorrhage, Brain.			TO DO CONTRACTOR		41		_
Hypertrophy, Heart Inflammat'n, Brain.	3		OU DO DUTTERS		13		
innammat'n, Brain.	3				1	400	
Bronchi	5	4			5.00	Still-Born.	
Dinddel					207	-	-
Larynx.	2	1			163	Males	9
Liver Lungs	13	7	Boys		90	Females	9 18

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, MAY 14, 1881.

		=	=	=					1,84	TAT	IVE	Id	DIRECTION	N	2	VELOC					
BAROMETER.	BAROMETER.	METER.	œ.		Η	HER.	THERMOMETER.	ER.	H	HUMIDITY	T.	5	OF WIND		9	OF WIND	, A	STATE OF		WEATHER.	RAIN
7 A. M. 2 P. M. 9 P. M. Ween Delly Value. 7 A. M.	9 P. M. Venn Delly	Mean Daily Value.	Value.	.M.A 7	1	2 P. M. 9 P. M.	Mean Daily Value.	.mrmizeM	.M.A7	2 P. M.	9 P. M.	.M .A 7	з Р. М.	.M.9 9	.M .A 7		9 P. M.	×	2 P. M.	9 P. M.	ž.
8 30·17 30·08 30·12 30·13 51						2 61	51 72 61 61.2 75 47	75 47	88	94	20	≱	SW	8W	8	6 10	5	Clear	Clear	Fair	<u>\$</u>
9 30-21 30-12 30-14 30-16 56 77 68 67-2 80 50	1 30 12 30 14 30 16 56	2 30 14 30 16 56	4 30.16 56	26		77 68	847.2	80 50	8	42	56	MS.	8W	8M	1	11 16	CI	Clear	Clear	Clear	\$
Tuesday, 10 30.17 30.09 30.12 30.12 64.8	7 30 09 30 12 30 12 64 8	9 30 12 30 12 64 8	2 30.12 64 8	64.8	COC.	2 73	64 82 73 73.0 85 59	85 56	88	42	83	≱	S W	8W	12	12 15 12		Clear	Hazy	Clear	
Wed'd'y, 11 30·15 30·06 30·03 30·07 67 8	67	67	67	67	ന	7	87 78 77-5 90 63	39_ 	79	24	65	≱	×	A	14	14 12	8 Fg	Fair	Fair	Cloudy	```\$
Thursd'y,12 30.04 29.98 29.98 29.99 77 9					<u>a</u>	 8 5	77 90 85 84.2 91 72	91 72	- 8 - 8	4	72	≱	N	N N N N	4	4 15	1 Clo	Cloudy	Fair	Fair	*-10
13 30.03 29.94 29.97 29.98 63.9	3 29-94, 29-97 29-98 63,9	4,29-97 29-98 63,9	7 29-98 63,9	6:89	6	1 79	63 91 79 78 0 92 61	92 61	68	31	43	闰	NE	NE	65	9 13	G Cl	Clear	Clear	Clear	\$
Saturday, 14, 30.04 29.94 29.88 29.93 59 74 61 63.7 78 .8	4 29-94 29-88-29-93 59-7	4 29 88 29 93 59 7	8 29-93 59 7	59 7	Ň	4 61	63.7	87	88	78	88	田	8W	αΩ	13	7 14	4 Clo	Cloudy	Fair	Cloudy	90.
Means					: 1		72.1	- -	<u> </u>						<u> : </u>	 					-10

*Thunder storm. The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, MAY 21, 1881.

CAUSES 5	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
" Peritoneal.	<u> </u>	Inflammation Peri-		1	First	19 17 6
Asphyxia	. 1	Inflammation, Sto- mach and Bowels.	3	4	Third Fourth	5
	i	Inflam'at'n, Uterus Intemperance	$\frac{1}{2}$	•••••	Fifth Sixth	11
Cancer	L	Inanition	1	9	Seventh	21
" Face	i	Intussusception Jaundice	1	ï	Eighth Ninth	5 7
		Marasmus Measles	1	10	Tenth Eleventh	7 7 6
" Tongue	1	Murder		î	Twelfth	
Casualties	2	Old Age Obstruct'n, Gall Dct.	20	····;	Thirteenth	7
Cerebio-SpinalMen-	-	Paralysis	6		Fifteenth	14
Congestion, Brain	21 5	Rheumatism, Heart Rupture of Aorta	1		Sixteenth Seventeenth	11
··· Lungs	2 2 1	" Intestines	1		Eighteenth	12
Cholera-Infantum	- 5	Septicæmia Small Pox	11 11	12	Nineteenth Twentieth Twenty-first	17 24
Consumpt'n Lungs 4		Suffocation	<u>2</u>	1	Twenty-first	9 13
Croup	. 5	Suicide, Cut'gThroat Hanging	2	- 	Twenty-second Twenty-third	12
Cyanosis	i 2	Sunstroke	2		Twenty-fourth Fwenty-fifth	20 11
Degenerat'nKidn'ys	i	Ulceration, Bowels	1	 .	Twenty-sixth	9
Dinhtheria	1 12	Uræmia	2		Twenty-seventh	24 16
Dropsy	2		198	168	Twenty-ninth	19
" Brain	. 2	•			Thirtleth	8 11
	1					
"Kidneys	: 1					
Disease of Heart	8 2				Madded at a	
" Stomach	1	Of the above there were) :		Nativity, etc.	_
Drowned Effusion on Brain	4 1 1 1	Under 1 year		78	United States Foreign	276 79
Epilepsy	2 1	From 1 to 2		l In	IIInknown	11
Exposure		" 2 to 5		19	People of Color From Almshouse '' M. Hospital	30 8
Fatty degeneration of Heart	8	" 10 to 15		11 10	" M. Hospital	7
Fever, Catarrhal	-	" 20 to 30		41		
" Malarial	12	'' 80 to 40				
" Typhoid	4 1	" 50 to 60		25		
Gangrene, Bowels Feet	$\frac{2}{1}$	" 60 to 70	•••••	29	Premature Birth.	
Hemorrhage, Brain.	1	" 80 to 90		17	Males	1
Hernia, Strang'lat'd	i	'' 90 to 100	••••••	4	Females Total	3 4
Hooping Cough				1	1000	
Inflammat'n, Brain. '' Bronchi	. 6					
"Bronchi	2 5				CWII Pare	l
"Kidneys	1	Males		187		
" Liver	1	Females		179		5 5
" Lungs						

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

1881
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덕
MAY
SATURDAY,
ENDING
WEEK

Month and Day.		BARO	BAROMETER.	.,		THE	ERM	THERMOMETER.	LER.		REI	BELATIVE HUMIDITY	VE	H 0	DIRECTION OF WIND.	N.O.	VE OF	VELOC'Y OF WIND	<u> </u>	STATE	STATE OF WEATHER.	THER.	RAIN
1881. MAY.	.M.A7	2 P. M.	.м.ч е	Mean Daily	M.A7	.M.42	.M ⋅ H 8	Mean Daily Value.	.mumizaM	.muminiM	.M.A7	2 P. M.	9 P. M.	.M.A7	z P. M.	.M .T 8	.M.A7	M .q 2	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Ä
Sunday, 15		29·70 29·62 29·59 29·63	29-59	29.63	99	99	12	71 72:0	82.5	59	68	41	28	*	×	202	4	4 12	00	Fair	Fair	Fair	*
Monday, 16	16 29.65 29.65 29.74 29.69	29.65	29.74	29.69		29 69	59	59 61.5	71 56	90	92	48	85	NE	N N	NE	90	8 14	<u>၁</u>	loudy	Cloudy Cloudy	Light Rain	÷.
Tuesday, 17	17 29-80 29-87 29-96 29-90	29.87	29.96	29.90		53 55 51	51	52.2	58,50	92	8	74	83	闰	田	闰	13	121	1 <u>C</u>	13 12 11 Cloudy	Cloudy	Cloudy	.
Wed'd'y, 18 30.00 29.90 29.77 29.86	30.00	29.90	29.77	29.86		53	52.5	49 53 52 51 5 54	54	47	93	861	100	田	ŊE	NE	17	12.1	<u> </u>	17 12 10 Cloudy	Light Rain	Heavy Rain	&
Thursd'y,19	88-88	29-88 29-87 29-91 29-89	29.91	29.89		8	55	53 00 55 55.7 61 51	61 [17.	93	7	93	SE	200	SE	12	12 12	ည	Cloudy	Cleari'g		90.
Friday, 20	29-91	29.92	29.98	29-92 29-98 29-95		63	58	55 63 58 58 5 64 53	27	33	93	27	94	NE	SE	闰	6	4	_ 	Light Rain	Fair	Cloudy	.23
Saturday, 21		30.07 30.04 30.07 30.06	30.07	30.08		53 65 61	919	60.0 70 51	70 <u>5</u>		93	73	88	Þ	ΩΩ	S W	3	4	5 C	Cloudy	Fair	Light Kain	.03
Means				29.85		-	:	58.8	<u> </u>		† †						<u> </u>	<u>:</u> <u>:</u>	<u> : </u>		;		1.97

*Too small to measure, The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, MAY 28, 1881.

44 EE	K L	мы	ING BATUMDAT, M			, 1001.	
CAUSES OF DEATH.	ADULTS.	MINORS.	CAUSES OF DEATH.	ADULTS.	MINORS.	DEATHS IN EACH WARD.	
Abscess of Brain Lung Aneurlsm, Femoral. Asthma Apoplexy	1 1		Intemperance Jaundice Mania-a-potu Malformation Marasmus	2 1 2	i	FirstSecondThirdFourthFifth	10 12 17 5 12
Bright's Disease Burns and Scalds Cancer of Breast '' Lung '' Stomach '' Uterus	1 1 1 4 1		Marasmus	13 1 2	1	Sixth	3 15 6 7 4 4
Carbuncle	3		Small Pox T'mor,Intrathoracic	7 1 178		Twelfth	2 4 3- 13 7 11
" Liver " Lungs Cholera Infantum Cirrhosis of Liver Congestive Chili Consumpt'n, Lungs.	1 1 49	1 1 1 5		!		Eighteenth Nineteenth Twentieth Twenty-first Twenty-second Twenty-third	17 15, 13 9 7
Convulsions	4	9 5 6 4 7	. Of the above there were:			Twenty-fourth Twenty-fifth Twentysixth Twenty-seventh Twenty-eighth Twenty-ninth	13. 19 10 22 17 14
'' Heart Disease of Brain '' Kidneys.	1 2 1 9 1	1	Under 1 year		54 17 35 16 6	ThirtiethThirty-first	9 12 ——
"Liver Malarial. Drowned Epilepsy Erysipelas Fatty degeneration of Heart		5	'' 15 to 20		11 34 40 29 22 21 16	United States Foreign Unknown People of Color From Almshouse	240 61 16- 18 10
Fever, Puerperal 'Scarlet 'Yophoid Fracture of Skull 'Thigh Hemo'hage, Kidn'ys	1 1 6 1	î	'' 80 to 90 '' 90 to 100		14	" M. Hospital	5
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain 'Bronchi	1 2 1 4	1		!		Premature Birth. Males	
" Kidneys " Kungs " Pericardium. " Peritoneum " Pleura	1 8 4 3		Males Females		145 172	Still-Born.	10
" S. & Bowels " Spine	3		BoysGirls	••••	58 81	Females Total	5 15

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK-ENDING SATURDAY, MAY 28, 1881.

BAIN	. Ki	.10	ġ,	ş	, \$	*	ŝ	8	1.0
HEB.	9 P. M.	Fair	Clear	Clear	Clear	Clear	Clear	Clear	
STATE OF WEATHER.	2 P. M.	Cloudy	Cloudy	Fair	Clear	Clear	Clear	Clear	
STATE	7 A. M,	Foggy	Fair	Cloudy	Clear	Cloudy	Clear	Fair	
×Θ	9 P. M.	6	2	-	4	4 12	6		T :
VELOC'Y OF WIND	2 P. M.	2	011210	4	2 10 14	4	8 10	7 17	
F	.M.A.1	ಣ	<u> </u>	6	67	10	30	œ	
	.м.че	덛	闰	闰	田	σο	*	因	
DIRECTION OF WIND.	.м.ч 2	××	闰	闰	田	田	8	펎	
<u>а</u> о	.M .A 7	202	NE	闰	SE E	떰	SW.	*	
IVE	.M. 9 9. M.	88	88	65	22	28	35	72	
RELATIVE HUMIDITY	.M. as	59	69	99	20	63	26	53	
RE	.M .A 7	94	11	82	88	94	88	79	
	.mominiM	92	96	92	99	25	26	28	T :
E.	.mumizaM	4.	8	22	62	4	2	7	<u> </u>
thermometer.	Mean Dally Yalue.	58 73 66 63-2 74 56	61 66 63 63.2 68 56	0.49	65.7	64.5	0.12	67 83 63 69 0 84 58	
SR.N	.M .T 8	99	_ 8 2_	69	62	2	F		1 :
E	.M .9 2 1M.	73	99	2	78	73	82	83	1 .:
	.M.A7	58	61	9	61	57	99	9	L i
	Mean Daily Value.	30-13 30-08 30-14 30-12	30-19 30-19 30-24 30-21	30.23	30.14	30.18	27 30-08 29-98 29-9 29-98 60 82 71 71-0 84 56	29.88 29.94 29.91	30-11
EETER	.M .4 8	30.14	30.24	30.20	30.55	30.14	29.9	29.94	
BAROMETER.	.M. as	30-08	30.19	30.56	30.13	30.18	29-98	29.88	
	.M .A 7	30-13	30.19	30.27	30.16	30-26	30-08	29-91	
Month and Day.	1881. MAY.	Sunday, 22	Monday, 23	Tuesday, 24 30-27 30-26 30-20 30-23 60 70 69 67-0 75 56	Wed'd'y, 25 30·16 30·13 30·22 30·14 61 78 62 65·7 79 56	Thursd'y,26 30-26 30-18 30-14 30-18 57 73 64 64-5 74 55	Friday, 27	Saturday, 28	Means

* Precipitation too small to measure, The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JUNE 4, 1881.

CAUSES	DULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF DEATH,	ADU	MIN	WARD.	
Aneurism, Thoracic	1		Paralysis	8	1	First,	19
Asthma	1		Pyæmia	jii	1	Second	15
Apoplexy Bright's Disease	6 8	******		2	1	Third	12
Cancer of Breast	3	2	Softening of Brain Small-Pox	8	19	Fourth,	9
Liver	1	*****	Suicide, Arsenic	1	10	Sixth	4
" Omentum	î	*****	Sunstroke	i		Seventh	10
" Stomach	2		Tetanus	1	1	Eighth	.8
Tongue	1	******	Tumor	*****	1		4
O tel us	2	******	Ulceration, Bowels.	1		Tenth	- 6
Casualties, Cerebro-SpinalMen-	(6)	1	Uræmia	++++++	1		20.00
ingitis		1		171	131	Twelfth' Thirteenth	7
ongestion, Brain	3	5	-	1/1	101	Fourteenth	6
Liver					-	Fifteenth	15
Lungs	*****	1		1	7.5	Sixteenth,	. 8
holera Infantum		3				Seventeenth	12
irrhosis of Liver		******			la d	Eighteenth	18
oncussion, Brain	******	1				Nineteenth	17
Consumpt'n, Lungs.	40	4				Twentieth	19
roup	******	8				Twenty-first Twenty.second	10
Cyanosis	******	1		- 1		Twenty-third	7
Debility	- 6	3				Twenty-fourth	16
Diarrhœa	1					Twenty-fifth	11
Diphtheria		-7				Twenty-sixth	12
Dropsy		1				Twenty-seventh	16
of the Brain. Heart.		3	AF 15 - 15 15	0		Twenty-eighth	- (
Lungs	1		Of the above there were	:		Twenty-ninth Thirtieth	6
Disease of Brain	1	*****	Under l year		47	Thirty-first	17
Heart	11		From 1 to 2		22	Tilling - Ittist	
Liver	1		" 2 to 5		33		
Drowned	1		" 5 to 10	******	17		_
Epilepsy		241974	' 10 to 15		3		
Erysipelas,	2	2	15 to 20		9	Nativity, etc.	
Enlargement, Heart Extra Uterine Fœta-	. 1		20 to 30		45	United States	234
tion	1	*****	30 to 40		24 30	Foreign	58
fatty degeneration	1	******	14 50 to 60		19		10
of Heart	1		60 to 70			People of Color	15
Fever, Puerperal	3		'' 70 to 80		24	From Almshouse	8
"Remittent	1	1	" 80 to 90		7	7	
COLLEGE PROFESSION	5	10					
'' Typhoid Heart Clot	1	1					
Hemorrhage, Brain.	1	******					-
Bowels		1				Premature Birth.	1
Lungs.	2	*****					*****
Hooning Cough		2				Males,	2
Inflamat'n, Brain	2	8				Females	1
Bronchi	2					Total	- 8
'' Larynx '' Liver	$\frac{1}{2}$		i				
" Lungs	7	9					
" Pericardium	i						
" Peritoneum	4						
" S. & Bowels	1	4				Still Born.	
nanition	1	3	Males		145		
Jaundice,	•••••	2	Females	••••••	157	Males	•
Marasmus	•••••		Boys			Females	9
Old Age	6		Girls		72	Total	18

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE . . WEEK ENDING SATURDAY, JUNE 4, 1881.

RAIN	l E	\$	\$.00	n 1.58	10	.15	.00	1.86
THER.	9 P. M.	Clear	Fair	Threat- ening	H Rain	H Rain	Cloudy	Clear	
STATE OF WEATHER.	2 P. M.	Clear	Clear	Fair	Fair	Cloudy	Lt Rain	Cloudy	
STATE	7 A. M.	Fair	Fair	Clear	Cloudy	8 Cloudy Cloudy	24 24 11 Cloudy Lt Rain Cloudy	Lt Rain Cloudy	
X Q	9 P. M.	12	6	- · ·	4 16		11	6.13	
VELOC'Y OF WIND	2 P. M.	3 11 12	8 13	5 12		18 12	22	9	
VE OF	.M.A7	<u>್</u>	œ	ro.	ෆ	. 18		∞	<u> </u>
Ä.	9 P. M.	S W	8	SW.	田	SE	NE	NNWN	
DIRECTION OF WIND.	.м.чг	8	$8\mathbf{W}$	*	Ξ	SE	囶	M N	
<u>1</u> 0	.M.A 7	闰	*	×	SE E	NE	闰	B	
TY	9 P. M.	92	72	22	95	82	87	29	
RELATIVE HUMIDITY	.M. 4 2	53	44	42	55	20	81	7.7	
REL	.M.A7	82	8	8	80	11	94	001	
	Minimum.	100	46	92	95	22	54	25	
ER.	.mrmixsM	25	98	68	85.	99	29	69	<u>:</u> :
THERMOMETER.	Mean Daily Value.	61 83 72 72.0 85 55	69 85 75 76.0 86 64	72 87 72 75-7 89 67	2.02	61 63 59 60 5 66 57	56 57 54 55-2 59 54	53 63 63 60.5 69 52 100	69.2
(ER)	9 P. M.	372	275	72	99(3 59	7 54	8	:
TH	7 A. M. 2 P. M.		8	ري 90	. 8	1 6	65	36	
	Mean Daily Value.			31 29.87 29.79 29.81 29.82 7	29.87 29.71 29.74 29.74 71 80 66 70.7 82 65			29·77 5	
eter.	.м.ч е	29-95 29-88 29-89 29-90	29.84	29.81	29.74	79 29.81 29.83 29.81	29.71 29.69 29.69 29.69	29.80	29.80
BAROMETER.	.м.ч г	29.88	29.84	29.79	29.71	29.81	29.69	29-75	
	.M.A.	29-95	30 29-90 29-84 29-84 29-85	29.87	29.87	83		4 29.73 29.75 29.80 29.77	
		8	30	31	_	67	က	4	:
Month and Dry.	1881. MAY.	Sunday,	Monday,	Tuesday, S	Wed's'y,	Thursd'y,	Friday,	Saturday,	Means

The surface of the mercury in the distern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JUNE 11, 1881.

CAUSES OF	LIE	MINORS.	CAUSES OF	DULTS.	ORS.	DEATHS IN EACH	
DEATH.	ADULTS	MIN	DEATH.	ADU	MINORS	,WARD.	
Abscess of Lungs '' Perineum			Intemperance Inanition	2	4	First	21 19
" Ovarian			Intussusception	1		Third	11
Anæmia	1	i	Jaundice	1	¦	Fourth	8
Aneurism, Thoracic Apoplexy	9		Locomotor Ataxy Marasmus	1 2		Fifth	8 9 2
Asphyxia		1	Measles	l	ĩ	Seventh	17
Bright's Disease	5		Murder Neuralgia of Heart	1		Eighth	5 1
Burns and Scalds Cancer of Breast	1		Old Age	7		Ninth Tenth	8
" Liver	1		Obstruction, Bowels	1	1	Eleventh	8 8 8 2 9
" Mesentery	: 1		Paralysis Proin			Twelfth	8
" Stomach Uterus	5 2		Rheumatism, Brain Scrofula		i	Thirteenth	2
Casualties	· · · · · · ·	1	Sore Mouth		Ĩ	Fifteenth	ē
Cerebro-Spinal Me- ningitis	1	1	Softening of Brain Small Pox	3 6	23	Sixteenth	10 6
Congestion, Brain	2	7	Sunstroke	i	25	Seventeenth Eighteenth	13
Liver		1	Tabes Mesenterica		1	Nineteenth	23
Child-Birth	1 1	1	Tetanus Trismus	1		Twentieth	14
Cholera Infantum		6	Nascentium	1	2	Twenty-first Twenty-second	4
" Morbus	1	,	Tumdr of Brain		ī	Twenty-third	6
Cirrhosis of Liver,	$\frac{2}{1}$		Ulceration, Bowels	1	1	Twenty-fourth	19 12
Consumption of		1	Unknown Uræmia	2	l	Twenty-fifth Twenty-sixth	15
Lungs Compression, Brain	46	7	1	<u> </u>		Twenty-seventh	13
Compression, Brain	1	11		165	145	Twenty-eighth	.8
Croup	1		ı	_	=	Twenty-ninth Thirtieth	10 8
Cyanosis		. 1		•	ĺ	Thirty-first	15
Debility Diphtheria	4	3 5			İ	'	
Dropsy, Abdominal	2	٠			-		
" of Brain					İ		
"Heart Disease of Brain		1	Of the above there wer		1	Nativity, etc.	
" Heart		2	Of the Spoke mate wat	٠.	İ		
" Hip		1	Under 1 year		55	TT 14. 3 Ct 4	
Drowned Empyema		4	From 1 to 2				230 70
Erysipelas	1		'' 5 to •10			Unknown	iŏ
Enlargement, Heart	1		10 to 15			People of Color	27
Fever, Miliary		1	'' 15 to 20		15 33	From Almshouse. 'M. Hospital	2 3
" Remittent	1	1	' 30 to 40		38		•
" Scarlet	1	13	40 to 50		24		
1 y DH01u	2	4	' 50 to 60				
"Typhus Fracture, Vertebra	li		" 70 to 80		lii		
Hemorrhage,	1		'' 80 to 90		12		
Internal Hooping Cough		1			İ	Males	2
Hypertrophy, Heart	1	1			l	Females	4 6
Hypertrophy, Heart Inflammat'n, Brain	Ī	5	1		1	10041	•
" Bronchi		2	I		1		
" Lungs	3	4			i	Still-Born.	
'' Pericardium		2			1		
" Peritoneum.		1	MalesFemales	••••••	149		6
" Pleura " S. & Bowels		3	Boys	• • • • • • • •		MalesFemales	8 10
" Spine	ï	ļ	BoysGirls		78		18
-	1	l	ı		I	1	
-							

METEOROLOGICAL ÓBSERVATIONS TAKEN AT THE SIGNAL ÓFFICE, PHILADELPHIÁ,

DURING THE WEEK ENDING SATURDAY, JUNE 11, 1881.

					-											_		=				
Month and Day.		BAROMETER	IETER.	_		HEE	THERMOMETER.	CETE	æ	# H	RELATIEV HUMIDITY	FIEV DITY		DIRECTION OF WIND.	ON D.	VE.	VELOC'Y OF WIND	<u>ν</u> α	STAT	STATE OF WEATHER.	THER.	RAIN
1881. MAY.	.K .A 7	2 Р. М.	.ж.че	Mean Daily Value.	M.A 7	2 P. M.	9 P. M.	Value.	Maximum.	.M.A 7	M. A.S.	9 Р. М.	.M.A 7	2 P. M.	.м.ч е	.M.A 7	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 Р. М.	IN.
Sunday, 5		29-89 29-79 29-81	29.81	29.83		73 8	63 73 67 67 5 75 57	-2	5.57		62 3	39 64	N	× .	8	6	∞	3	Fair	Fair	Cloudy	\$
Monday, 6	6 29.95 29.99 30.11 30.04 60 67 61 62.2 69 57	29.99	30.11	30.04	8	9 29	11,62	2:2	_6 51		11 5	55 66	Ħ	闰	ΩΩ	12	~	<u></u>	Cloudy	Fair	Clear	99
Tuesday, 7	7 30.18 30.14 29.97 30.06	30.14	29.97	90.08	22	9 09	57 60 61 59.7 63,54	1.1	- 85		81 77	7 88	SW SW	20	202	4.	4 18	4	Cloudy	Cloudy Cloudy	Cloudy	-00
Wed'sday, 8 29.85 29.78 29.79 29.81	29.82	29.78	29.79	29.81		82.7	67 82 71 72.7 83 62	2:1			95	56 95	⋈	MN	SE	9	00	9	Fair	Cloudy	Cloudy	\$
Thursday, 9 29:90 29:90 29:90 29:90	29:90	29-90	29-90	29.90		61 5	62 61 56 58.7 69 55	2.5			91.8	88 94	田田	SE	闰	11	11 20 32		Cloudy	\mathbf{Light}	Light Rain	.20
Friday, 10	10 29.92 29.93 29.99 29.96	29.93	29-99	29.96	53	57 5	53 57 54 54 5 58 51	:5	85		86.8	87 94	NE	NE	NE	18	18 11 14		Cloudy	Cloudy	Cloudy	.31
Saturday, 11	30.05	30.05	30.12	30-05 30-02 30-12 30-08		949	55 64 63 61 2 68 51	37	88.5	3 0	87 78	- 86 - 28	×	 편	SE	4	4	4	Cloudy	4 Cloudy Cloudy	Clear	\$
Means				29.95		 	62.4	4				-					 					1.12

The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, JUNE 18, 1881.

CAUSES	ADULTS	MINORS	CAUSES	1.18	ORB	DEATHS IN EACH	
OF DEATH.	VP	MIN	OF DEATH.	ADULTS	MINORS	WARD.	
Apople xy	4		Softening of Brain	1	_	Finat	٦.
Asphyxia		3	Small Pox	2	10	First	1
Bright's Disease	6	١	Tabes Mesenterica	-	10	Third	1
	٠		Tiles Mesenterica				1
Burns and Scalds	i		Ulceration, Bowels			Fourth	
ancer of Bowels		•••••	Uræmia	2	•••••	Firth	
" Liver	2		ļ-			Sixth	
1 y 101 uo	1	ļ	1	144	132	Seventh	1
U voi uo ····	2	•••••	=			Eighth	
" Vulva	$\frac{1}{2}$			- 1		Ninth	
Casualties	2	2		- 1		Tenth	
erebro-SpinalMen-	1			- 1		Eleventh	
ingitis	1		•	- 1		Twelfth	
ongestion, Brain	2	3		- 1		Thirteenth	
		ī	l	- 1		Fourteenth	
" Liver,	1			- 1	- 1	Fifteenth	
	î		1				
Theless Infortum		6	l	- 1	1	Sixteenth	
holera Infantum			l	- 1	- 1	Seventeenth	1
onsumpt'n, Lungs			1	ŀ	-	Eighteenth	1
onvulsions		16	1	- 1	- 1	Nineteenth]
roup		3				Twentieth	1
yanosis		3			1	Twenty-first	
Debility	2			- 1		Twenty-second	
Diarrhœa	1	1		- 1	- 1	Twenty-third	
Diphtheria	l	7		1		Twenty founth	1
Droness	4					Twenty-fourth	
PropsyBrain		2			- 1	Twenty-fifth	1
	1					Twenty-sixth	
OH 68 t	2		Of the above there were	:]		Twenty-seventh	1
116810) z			- 1	- 1	Twenty-eighth	
Disease, Brain		1	Under 1 year		i	Twenty-ninth	1
'' Heart	11		From 1 to 2		ì	Thirtieth	1
"Kidneys	1		" 2 to 5		- 1	Thirty-first	1
Drowned	1	3	" 5 to 10		i		
Effusion on Brain	l	1	'' 10 to 15				
Epilepsy	1	 .	" 15 to 20		- 1		
Erysipelas	1		'' 20 to 30	•••••	- 1		
Enlargem'nt, Heart	ī		'' 30 to 40		- 1	Modfalda ata	
			00 00 20		49	Nativity, etc.	
Fatty degeneration	2	1	TO 10 00	•••••	10	TT14 3 CM 4	
of Heart	10		90 to 90		33	United States	18
rever, Scarlet			00 60 70			Foreign	7
" Typhoid	2		10 00, 00,		16	Unknown	
Jangrene of Luug	1	1			15	People of Color	:
Hernia	1		" 90 to 100		9	From Almehonea	
Hooping Cough		5		- 1	22	" M. Hospital	
nflammat'n, Brain.	2			1	27		
Bronchi	4			- 1	29		
" Kidneys		1	l	- 1	21		
" Lungs	6	6	1	- 1	19	į į	
" Peritoneum	ž			J	16		
" S. & Bowels	6		i	J	9	Premature Birth.	
D. C. DOWOLD	ĭ		1	- 1	ĭ	Fremature Birth.	
n!emperance	. *	1		- 1	-	Molos	
nsanity	i		I	J		Males	
	i					Females	
ntussusception		i				Total	
ntussusception aundice	ł			- 1			
ntussusception aundice				- 1	- 1		_
ntussusception aundice Aalformation Aarasmus		. 7			- 1		
ntussusception [aundice Malformation Marasmus		.7		- 1	1		
ntussusception, aundice Aalformation, Aarasmus Aeasles	8						
ntussusception, [aundice						Still-Born	
ntussusception. [aundice	8		Ma les		147	Still-Born.	
ntussusception. faundice	8 6 1	, 7 1	Males		147		
intussusception. Isaundice	8 6 1	, 7 1	Females		129	Males	-
ntussusception. aundice	8 6 1	1			129		_

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, WEEK ENDING SATURDAY, JUNE 18, 1881. DURING THE

Month and Day.		BARO	BAROMETER		ļ	THE	3R.M.C	THERMOMETER.	ER.		RELA	RELATIVE HUMIDITY		DIRE OF W	DIRECTION OF WIND.		VEL OF	VELOC'Y		STATE OF WEATHER.	ÆATHI	ER.	RAIN
1881. JUNE.	.M.A7	2 P. M.	9 P. M.	Mean Daily .	M.A7	.M .4 2	9 P. M.	Mean Daily Value.	.mumixaM	Minimum	.M.A7	.M. q 8	.M.A7		2 P. M.	9 P. M.	M.A7	2 P. M. 8 P. M.	7 A. M.	f. 2 P.	j.	9 P. M.	IN.
Sunday, 12	12 30-17 30-13 30-13 30-11	30-13	30-13		8	92	67 6	60 76 67 67 5 78 56			94	20 1	20.		<u></u>	田	-	- 80	6 Foggy	y Fair		Clear	9
Monday, 13 30-15 30-05 30-05 30-07 58 68 60 61-5 71 56	30.15	30.02	30.02	30.02	82	88	909	1.5	71	6 1	100	74 8	88 H	<u> </u>	田	σ Ω	9	5 10	Cloudy	y Cloudy		Cloudy	\$
Tuesday, 14 29.92 29.84 29.92 29.90 61 74 73 70.4 80 55 100	29-92	29.84	29.62	29-90	61	74	737	7. 0	805	7		76 59		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	S W	z	8 10		5 Light Rain	t Fair		Fair	.01
Wed'd'y, 15 $30\cdot00 \ 30\cdot02 \ 30\cdot09 \ 30\cdot05 \ 69 \ 80 \ 72 \ 73\cdot4 \ 82 \ 64$	30.00	30.05	30.09	30-05	69	8	727	3.4	82 6		20	37 7	71 N W		Z	ZE	818		6 Clear	r Fair		Clear	8
Thursd'y,16 30·19 30·07 30·03 30·08 63 74 68 68·3 74 60	30.19	30.02	30.03	30.08	83	42	9.89	8.3	74 6		72	32 51		NE NW		``	11 10		4 Clear	r Fair		Cloudy	9
Friday, 17	17 29-77 29-76 29-73 29-75 64 65 71 67-8 73 61	29.76	29.73	29.75	2	33	71	4.0	73 6		<u>28</u>	86	- 85 - 83	$\mathbf{s}_{\mathbf{M}}$	<u>。</u> 田	SE	14	7	Cloud	4 Cloudy Cloudy		Threat- ening	.
Saturday, 18 29.84 29.82 29.82 29.82	29.84	29.83	29.82	28.67		88	69 83 74 75 2	2.5	86 65		- 19	33	55 NW	×	M	≱	10 22		5 Clear	r Threat-		Clear	.03
Means						Ī	<u>ق</u> ا	6.5	† :	1 :	+		<u> </u>	:			 	1 :		7.69) çç

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JUNE 25, 1881.

CAUSES	ADULTS	MINORS	CAUSES E DEATHS IN OF DEATH.	EACH
OF DEATH.	ADU	X	OF DEATH.).
Abscess of Liver		1	Inflammation, Sto-	
Apoplexy	7	1	mach and Bowels. 4 Second	
Bright's Disease		····	Inanition 4 Third	
Cancer	1		Mania-a-potu 1 Fourth	
" Breast	1		Malformation 1 Fifth	
" Face Liver			Marasmus 15 Sixth	
" Pancreas			Measles 1 Seventh Old Age 18 Eighth	
" Rectum	1	l	Obstruction Rowels 1 Ninth	
" Stomach	$\tilde{2}$		Old Age 18 Eighth Obstruction, Bowels 1 Ninth Ossification, Heart 1 Tenth Paralysis 6 Eleventh	
" Uterus		1	Paralysis Eleventh	
Casualties	2		Rheumatism 1 Twelfth	
Cerebro-SpinalMen-		i	Septicæmia 2 Thirteenth	
ingitis	1		Shock, Surgical Op- Fourteenth	
Congestion, Brain	4	1 2	eration 1 Filteenin	
" Lungs	2		Softening of Brain 1 Sixteenth	
Cholera Infantum		10	Small Pox 3 12 Seventeent	h
Cirrhosis of Liver	1	!	Suicide Cut'g Throat 1 Eighteenth	1
ollapse of Lungs	•••••	1	" Drowning 1 Nineteenth	
consumpt'n Bowels	1	····-	Syphilis 2 Twentieth.	*********
" Lungs.	42	9	Syncope 1 Twenty-fire	st
Congestive Chill		10	Syphilis. 2 Twentieth. Syncope 1 Twenty-fir Teething 1 Twenty-set Tetanus 1 Twenty-thi	rd
onvulsions	•••••	13	Telanus Twenty-thi	rd
Cramps		3		
Vec posts	•••••	5		th
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Diarrhae	ī	2		
DiarrhœaDiphtheria	٠	6	Twenty-eig Twenty-nin	nth
Dropsy		ì	Thirtieth.	J CAL,
			Thirty-first	
'' Chest	1			
Chest Lungs		1		
'' Ovarian'	' 1	*****	Of the above there were :	
Disease of Brain	Ţ	١		
Heart	9		Under I year 78 Nativity,	etc.
111 4 61	1		From 1 to 2 18	
Drowned		¦		
Dysentery	ļ			
Embolism of Heart.	1	ļ	I to to io It to it known.	
Epilepsy	1		' 15 to 20 7 People of C	olor
Erysipelas Tatty deg'n of Heart	i	1		nouse
Portor Proin	î		" 40 to 50	spitai
Fever, Brain ''Puerperal			" 50 to 60 26	·
" Scarlet		16	11 00 to 70	
" Typhoid	4		" 70 to 80	!
"Typhoid Fracture of Skull	1		" 80 to 90 12	
angrene, Rectum		1	" 90 to 100 1: Premature E	inth
Hemorrhage, Lungs	1			
,,	1		Males	
" Nose		1	Females	
" Nose " Eaten by rats			Total	!
Hooping Cough	•••••	2		- 1
Hooping Cough	2			
Hooping Cough	2 1	7		
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain "Bronchi	1	7 3		
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain Bronchi Bladder	1 2 1	 7 3		
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain 'Bronchi 'Bladder 'Kidneys	1 2 1	7 3	Still-Bor	n.
Hooping Cough Hypertrophy, Heart nflammat'n, Brain '' Bronchi '' Bladder '' Kidneys '' Larynx	1 2 1 2	7 3 	Males 155	n
Hooping Cough Hypertrophy, Heart nflammat'n, Brain "Bronchi "Bladder "Kidneys "Larynx "Lungs	1 2 1 2	7 3 1 9	Males	
Hooping Cough Hypertrophy, Heart nflammat'n, Brain '' Bronchi '' Bladder '' Kidneys '' Larynx	1 2 1 2	7 3 	Males	

MFTEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, JUNE 25, 1881.

BAIN	I.N.	.03	8	ş	\$.	\$	\$	=
HER.	9 P. M.	. Clear	Cloudy	Fair	Clear	Clear	Fair	Fair	
STATE OF WEATHER.	2 P. M.	Clear	Fair	Clear	Clear	Cloudy	Clear	Cloudy	
STATE	7 A. M.	8 Cloudy	Fair	Cloudy	Fair	Clear	Clear	Foggy	
¥ g	9 P. M.		~	12	01	12	9	910	1 :
VELOC'Y OF WIND	2 P. M.	10 12	4 11	8 18 12	9	1	-		<u> : </u>
OF C	.M.A7	10	4	∞	4	6	6	က	
× .	.M .T 8	NE	SW	Z	202	NE	M	202	
DIRECTION OF WIND.	.м.чг	≱	*	Z	Z	MN	NE	ω.	
IG	.M .A 7	*	<u>되</u>	z	NE	NE	Z	>	
VE	.K .4 8	5	06	48	67	54	55	74	
ATI	2 P. M.	4	42	9	35	46	4	8	T :
RELATIVE	.M.A7	જ	92	99	4	88	63	-69	Ť Ī
	.mominiM	, 15	<u> </u>	- 2	7,	99	- 62	- <u>-</u> -	1 : !
, e	.mumixaM		83	75	7	73	. 25	12	:
THERMOMETER.	Mean Daily Value.	17.1	9.82	68 74 64 67-4 75 60	63.1	86.2	57,70 67 65.5 73 53	68.4	6.19
RE	M .4 8	20	2	4	62	8	67		<u> </u>
TH	M. A 7	83	3.81	3.74	89	1 72	717	6.75	- : -
t_	.M.A7	- - -			 			و نـ	!
	Visa mask Value.	29-79	29-78	29.81	29.94	30.04	130-15	130-14	29.95
BAROMETER.	.M .4 8	29-82	29.73	88-67	29-94	30-06	30.14	30.14	
BARO	.M. 4 2	29.73	29.89 29.79 29.73 29.78 73.81 70 73.6 83 68	29.73 29.75 29.88 29.81	29-91	30.08	30.13	30-12	
	.M.A7	19 29-80 29-73 29-82 29-79 70 83 78 77-1 86 65	88.63	29.73	29 .	30-01	24 30 16 30 13 30 14 30 15	30-17	
Month and Day.	1881. JUNE.	Sunday, 19	Monday, 20	Tuesday, 21	$\mathbf{Wed'd'y,22}[29\cdot98 29\cdot91 29\cdot94 60 69 62 63\cdot1 71 54$	Thursd'y,23 30.01 30.00 30.06 30.04 61 72 66 66.2 73 56	Friday, 24	Saturday, 25 30.17 30.12 30.14 30.14 66 75 66 68.4 77 58	Means

The surface of the mercury in the elstern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, JULY 2, 1881.

CAUSES OF DEATH.	ADULTS	MINORS	CAUSES OF DEATH.	ADULTS	MINORS	DEATHS IN EACH WARD.	
Abscess, Psoas	1		Measles Murder		1	First	22
Anæmia		` 1	Murder		•••••	Second	14
Apoplexy	: 4		Old Age	15	•••••	Third	
Bright's Disease	Ð		Obstsuct'n, Bowels	1		Fourth	18
Burns and Scalds		1	Paralysis			Fifth	٤
Cancer, Breast '' Stomach	2		Poisoning, Opium	1	******	Sixth	+
" Stomach	, 8		Pyæmia Scrofula	2		Seventh	14
" Tongue	1		Scrofula		1	Eighth	10
" Omentum	ı į		Septicæmia		1	Eighth Ninth Tenth	
" Uterus			Small Pox	6	12	Tenth	1.
Casualties	3		Suffocation	1	•••••	Eleventh	
Cerebro-SpinalMen-	1	1	Syphilis		2	Twelfth	4
ingitis	1		Tumor, Ovarian	1		Thirteenth	- 6
Congestion, Brain	2	6	Unknown		2	Fourteenth	(
Lungs		1 2	Uræmia	1		Fifteenth	10
Cholera Infantum						Sixteenth	10
Cirrhosis of Liver,				164	156	Seventeenth	1
Colic				_		Eighteenth	19
Consumpt'n, Lungs,	41	3				Nineteenth	18
onvulsions		7				Twentieth	ŧ
" Puerperal	1					Twenty-first	•
Croup		4	'			Twenty-second	-
yanosis	,	1 8				Twenty-third	
Diabetes	. 1					Twenty-fourth	1
Debility	3					Twenty-fifth	- 1
Diarrhœa						Twenty-sixth	- 18
Dinhtheria		` 3				Twenty-seventh.	2
Dropsy	2					Twenty-eighth	Ē
Chest	ī		Of the above there were	. '		Twenty-ninth	2
Disease of Brain	i		Or the above mere were			Thirtieth	
"Heart	14		Under 1 year		- 00	Thirty-first	- 3
Drowned			From 1 to 2	•••••	19	I 1111 by -1118t	
Dysentery			' 2 to 5	••••••	22		
Effusion on Brain	i •	2					
Empyema	1		(1 10 4 . 15				
Epilepsy		,	" 15 to 20		4 3	Nativity, etc.	
Enlargement, Heart					27	Madrity, etc.	
Emphysement, Heart	ĩ					Tinitad States	23
Emphysema Fever, Puerperal '' Remittent	î		" 40 to 50		94	United States	6
Were Peralimin	î	·····	" 50 to 60	•••••	20	Foreign	
" Sourlet		14	00 00 00	•••••		Unknown	14
13001100	1	16	'' 70 to 80	•••••	20	People of Color	10
T y phoid			'' 80 to 90			From Almshouse	1
Lypnus			00 00 00	•••••	15	" M. Hospital	
Fracture of Femur	i	•••••	" 90 to 100	•••••	1	1	
Skull	i						
Jangrene	1	·····	1		'	i i	
Hernia	1					1	
Hooping Cough Hypertrophy, Heart Inflammat'n Brain.		2					
Hypertrophy, Heart	2					Premature Birth.	
innammat'n Brain	2	7					
Kidneys	1 4					Males	4
LASI YUX		; 1			i	Females	
гипка	6		1			Total	
rencardium	1					i	
" Peritoneum					!		
" S. & Bowels	1	5			ı	. ;	
ntemperance	1					.]	
nanition	1	4		i	į	Still-Born.	
Leucocythemia	i	ī	Males				
						126-1 1	
	1		Females		140	Males	
Mania-a-potu Malformation	2	····i	BoysGirls		145 86	Females	1:

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, JULY 2, 1881.

Month and Day.		BARO	BAROMETER.			THE	BM	THERMOMETER.	gr.		RELA	RELATIVE HUMIDITY		DIRE OF V	DIRECTION OF WIND.		VEL	VELOC'Y OF WIND	STAT	STATE OF WEATHER,	THER,	RAIN
1881. JUNE.	.M.A7	зъ. м.	9 P. M.	Visa nasM sily.	M.A7	2 P. M.	9 P. M.	Mean Daily Value.	Minimum.	 	M.A.	2 P. M. 9 8 M. 9 9 P. M.	!	.M.A7	2 P. M.	9 P. M.	.M.A.	2 P. M. 9 P. M.	7 A. M.	2 P. M.	9 P. M.	Ä
Sunday, 20	9 30.0	26 30-08 30-07 30-10 30-09	30.10	30.08		47		63 74 70 69-5 77 62					85 I	<u></u> 딸	田田	8W	ت.	9 9	Cloudy	Cloudy Cloudy	Clear	0
Monday, 27		30-13 30-00 29-89 29-97	29.89	29-97		72	<u> </u>	63 72 70 68·9 73 61	73		26	92	<i>32</i> 8	<u>σ</u> Ω	σ Ω	70 2	4	4 16 16		Cloudy Cloudy	Threat- ening	.16
Tuesday, 23	28 29.8	29.82 29.74 29.70 29.74	29.70	29.74	22	98	8	72 86 80 79.5 88 67	88		100	58 6	- - - - - - - - - - - - - - -	<u>∞</u>	S.W	×	5	5 16 10	Cloudy	Cloudy	Clear	
Wed'd'y, 28	29 29-71		29.70	29-69 29-70 29-70	78	79	-82	78 79 78 78 2 89 72	38_7		-82	707		×	MN	8	9	9 5	Fair	Cloudy	Cloudy	÷
Thursd'y,30 29.82 29.81 29.87 29.84	0 29.8	2 29.81	29.87	29.84	72	80	. 92	72 80 76 76 0 82 69	35_6		54 4	41 4	49 N	z	NW	z	15.	15 19 11	Clear	Clear	Clear	ş
Friday,	1 29.9	29.98 30.01 30.01 30.00 66 77 79 74.3 80 64	30.01	30-00	99	11	-62	74.3	<u>_</u> 9		51-7	71 4	40 N	NE	-건- 얼	NE	20 14	4 5	Clear	Clear	Clear	- 5.
Saturday,	2 30.1	30-18 30-17 30-17 30-18	30-17	80-18		8	75	68 80 75 72.0 81	31 63		55 3	38	56 N	NE.	田	<u>σ</u> Ω	12	9 14	Clear	Clear	Clear	
Means				29.93			74·1	1 .				1			+		+ :	:				E

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JULY 9, 1181.

CAUSES	LIB	ORS.	CAUSES	LTB	DEATHS IN EACH	
OF DEASH.	ADULTS	MINORS	OF DEATH.	ADULTS MINORS.	WARD.	
Abscess, Pelvic	1		Old Age,	10	. First	26
Liver	î		Obstruction, Bowels	2	Second	16
Aneurism of Aorta	î		Ovariotomy		Third	14
Apoplexy	9		Paralysis	10	Fourth	15
Asphyxia,		1	Poisoning, Laud'm	1	Fifth	13
Bright's Disease	7		Pyæmia	1	Sixth	3 20
Cancer of Breast	2		Softening of Brain.	2	Seventh	20
" Stomach	2		Small-Pox	6 1	Eighth	8
U terus,	Ī		Syphilis	••••	Ninth	8 7 8 6
Carles of Vertebra	1		Tabes Mesenterica		Tenth	7
Casualties	5	Z	Teething	ï	Eleventh	8
Cerebro-SpinalMen-		١.	Tetanus		Twelfth	6
ingitis	2	1	Trismus Nascent'm		Thirteenth	.8
Congestion, Brain Lungs	í	2	Ulceration, Bowels		Fourteenth	14 26
Cholera, Sporadic	î		Uræmia	i.	Sixteenth	6
"Infantum		87			Seventeenth	8
" Morbus	2		16	36 276	Eighteenth	21
Cirrhosis of Liver	3				Nineteenth	26
Consumpti'n, Lungs	34				Twentieth	
Convulsions		25		1	Twenty-first	8
Croup		5 3		1	Twenty-second	
Cvanosis	•••••	3			Twenty-third	2
Curvature of Spine		1		- 1	Twenty-fourth	20
Debiiity	0	4		İ	Twenty-fifth	23
Diarrhœa	•••••	.3		į	Twenty-sixth	22
Diphtheria		13		1	Twenty-seventh	17
Dropsy	2				Twenty-eighth	15
of Brain	2	$\frac{2}{1}$			Twenty-ninth	20
" Heart Lungs,	1				Thirtieth	21
Disease of Brain	î		Of the above there were:	.	Thirty-first	15
Heart	9	1	or me above more word.	- 1	i i	
" Kidney	Ĭ		Under 1 year	176	li	
Drowned	3!	3	From 1 to 2			
Dysentery			" 2 to 5	40	Nativity, etc.	
Erysipelas	1!		" 5 to 10	22	1	
				22		
Empuysema			" 10 to 15	4		359
Emphysema Fatty_degeneration	Ī	•••••	'' 10 to 15 '' 15 to 20	6	United States Foreign	71
Fatty degeneration of Heart	1		' 10 to 15 ' 15 to 20 ' 20 to 30	26	United States Foreign Unknown	71 12
Fatty degeneration of Heart Fever, Puerperal	1		' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40	26	United States Foreign Unknown People of Color	71 12 32
Fatty degeneration of Heart Fever, Puerperal '' Scarlet	1 1 1	22	'' 10 to 15 '' 15 to 20 '' 20 to 30 '' 30 to 40	4 6 26 28	United States Foreign Unknown People of Color From Almshouse	71 12 32 6
fatty degeneration of Heart Fever, Puerperal 'Scurlet 'Typhoid	1 1 1 3	22	' 10 to 15 ' 15 to 20 ' 20 to 30 ' 30 to 40 ' 40 to 50	4 26 28 32	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32
Fatty degeneration of Heart Fever, Puerperal 'Scurlet 'Typhoid Hangrene of Foot	1 1 1 3	22	' 10 to 15	4 26 28 32 30 16	United States Foreign Unknown People of Color From Almshouse '' M. Hospital	71 12 32 6
Fatty degeneration of Heart Fever, Puerperal ' Scurlet' ' Typhoid Hangrene of Foot Hemorrhage, Brain.	1 1 1 3	22	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 70 to 80"	4 26 26 32 30 16 19	United States Foreign Unknown People of Color From Almshouse 'M, Hospital	71 12 32 6
Fatty degeneration of Heart Fever, Puerperal '' Scarlet '' Typhoid Hangrene of Foot Hemorrhage, Brain.	1 1 1 3 1 1	22	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32 6
Fatty degeneration of Heart Fever, Puerperal '' Scarlet '' Typhoid Hangrene of Foot Hemorrhage, Brain.	1 1 1 3 1 1	222 3	" 10 to 15	26 26 32 30 16 19 12	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32 6
Fatty degeneration of Heart	1 1 1 3 1 1	222 3 3 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32 6
Fatty degeneration of Heart fever, Puerperal "Scarlet "Typhoid Hangrene of Foot Hemorrhage, Brain. Hopping Cough Hypertrophy, Heart nfiammat'n, Brain "Bronchi "Larynx	1 1 1 3 1 1 1 2	222 3	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32 6
Fatty degeneration of Heart Fever, Puerperal 'Scarlet 'Ypyhold Hangrene of Foot Hemorrhage, Brain Hypertrophy, Heart inflammat'n, Brain 'Bronchi 'Larynx 'Liver	1 1 1 3 1 1 1 2 2	222 3 3 1 15 4 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States Foreign Unknown People of Color From Almshouse "M. Hospital	71 12 32 6 3
Fatty degeneration of Heart Fever, Puerperal 'Scurlet 'Typhoid Hangrene of Foot Hooping Cough Hypertrophy Heart Inflammat'n, Brain 'Bronchi 'Larynx 'Liver 'Lungs	1 1 1 3 1 1 1 2 2	222 3 3 1 15 4 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart 'Fever, Puerperal 'Scarlet 'Yphold Hangrene of Foot Hemorrhage, Brain. Hooping Cough Hypertrophy, Heart infiammat'n, Brain 'Bronchi 'Larynx 'Liver 'Liver 'Pericardium.	1 1 1 1 1 1 2 2 2	222 3 3 1 15 4 1 7	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart Fever, Puerperal 'Scarlet 'Yphold Hangrene of Foot Hemorrhage, Brain Hypertrophy, Heart inflammat'n, Brain 'Bronchi 'Larynx 'Liver 'Liver 'Pericardium. 'Peritoneum	1 1 1 1 1 1 2 2 2 1 7 1 2	222 3 3 1 15 4 1 7 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart	1 1 1 1 1 1 2 2 1 7 1 2 1 2	222 3 3 1 15 4 1 7 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart 'Yever, Puerperal 'Scarlet 'Typhold Hangrene of Foot Hemorrhage, Brain Hypertrophy, Heart infiammat'n, Brain 'Bronchi 'Larynx 'Liver 'Liver 'Pericardium 'Peritoneum 'Pleura 'S. & Bowels	1 1 1 1 1 2 2 1 7 1 1 2 2	222 3 3 1 15 4 1 7 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart Fever, Puerperal 'Scurlet 'Typhold Hangrene of Foot Hooping Cough Hypertrophy, Heart Inflammat'n, Brain 'Bronchi 'Larynx 'Liver 'Liver 'Pericardium. Peritoneum 'Pelura 'S, & Bowels 'Trachea	1 1 1 1 1 2 2 1 7 1 2 1 3	222 3 3 1 15 4 1 7 1	" 10 to 15" " 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	26 26 32 30 16 19 12	United States	71 12 32 6 3
Fatty degeneration of Heart 'Yever, Puerperal Fever, Puerperal 'Yyphoid Gangrene of Foot Hemorrhage, Brain. Hooping Cough Hypertrophy, Heart infiammat'n, Brain '' Bronchi '' Larynx '' Liver '' Liver '' Liver '' Pericardium. '' Peritoneum '' Pleura '' S. & Bowels '' Trachea '' Trachea '' Itmperance	1 1 1 1 1 2 2 1 7 1 1 2 2	222 3 3 1 15 4 1 7 1	" 10 to 15	4 26 28 32 30 19 12 3	United States	71 12 32 6 3
Fatty degeneration of Heart. Fever, Puerperal. Scarlet. Typhold. Hemorrhage, Brain. Hooping Cough. Hypertrophy, Heart nflammat'n, Brain Larynx. Liver. Lungs. Peritoneum. Peritoneum. Peritoneum. S. & Bowels. Itachea. Ita	1 1 1 3 1 1 1 2 2 2 1 7 1 1 2 1 2 1 1 2 1 1 1 1	222 3 3 	" 10 to 15	4 26 28 32 30 19 12 8	United States	71 12 32 6 3
Fatty degeneration of Heart 'Yever, Puerperal Fever, Puerperal 'Yyphoid Gangrene of Foot Hemorrhage, Brain. Hooping Cough Hypertrophy, Heart infiammat'n, Brain '' Bronchi '' Larynx '' Liver '' Liver '' Liver '' Pericardium. '' Peritoneum '' Pleura '' S. & Bowels '' Trachea '' Trachea '' Itmperance	1 1 1 1 2 2 2 1 7 1 1 2 1 2 1 1 1	222 3 1 15 4 1 1 7 1	" 10 to 15	4 6 26 28 32 30 19 12 32 33 12 12 3	United States	71 12 32 6 3

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, JULY 9, 1881.

								i				1			. !		į			-		
Month and Day.		BAROMETER.	i eter.		<u> </u>	HER	THERMOMETER.	TER		REL	RELATIVE HUMIDITY	VE	DIO	DIRECTION OF WIND.	N.	V W	VELOC'Y WIND.	<u> </u>	STATE	STATE OF WEATHER.	THER.	RAIN
1881. JULY.	.M.A 70-7	.M.4 70.8	70-II 70-II	Mean Daily Value.	.M.A 70-7	M 4 70-11	II-07 P.M.	.mrmixsk	.maminiN	.K.A 70.7	.M.T 70-8	.M.970-11	.M.A 70-8	.M. 4 70.7	M4 70-11	M .A 70-7	M.4 70-8	M.9 70·11	л А. М.	3·07 P.M.	7-07 A. M. 8-07 P.M. 11-07 P.M.	la.
Sunday, 3		30·14 30·03 29·98 30·05	29.98	30.05			65 81 76 74.0 87 62	87	62	8	49	58	≱	*	*	7,16	91	-	Clear	Clear	Fair	9
Monday, 4	29.98 29.87 29.92 29.92 75 88 75 79.3 89 70	29.87	20.05	29-92	75 8	-88 -28	5 79:	389	25	8	. ‡	85	Z	×	E	6	9 22	-	Clear	Fair	Cloudy	9
Tuesday, 5	29.97	29.97 29.89 29.88 29.91	29.88	29-91	3 92	37 7	75 87 76 79 3 88 70	88	2	≆	52	ž	田	>	X	ା	2 13	<u> </u>	Clear	Clear	Fair	ş
Wed's'y, 6	29.87	29.88	29.88 29.97 29.91	29.91	82.5	8.76	82 92 80 84 9 93 73	9 :93	33	63	43	58	×	M N	NE	က	3 21	<u></u>	Clear	Clear	Clear	8
Thursday, 7 30.06 29.95 29.91 29.98 71 89 78 79.3 91 68	90.08	29.95	29.91	29.98	11.8	- 26	.62.8	3 91	. 89	32	ંજ્ઞ	9/	Ħ	20	ω Ω	10	9	₩	Fair	Clear	Cloudy	*
Friday, 8	8 29-91 29-98 30-06 29-98	29.98	30.06	29-98	. 92	922	76 73 66 71 7 83 66	7 83	99	85	82	$\frac{\dot{z}}{z}$	×	田	NE	'n	5 16	oo	Fair	Cloudy	Cloudy	ş
Saturday, 9	9 30-11 30-13 30-16 30-13	30-13	30.16	30-13		1.87	67 78 71 72 0 80 64	8	3	8	74	35	Ħ	A	30	14	4	<u>ာ</u>	loudy	Cloudy	6 Cloudy Cloudy Cloudy	\$
Means	29.68			86.63			2.77		Ī								1 :					

The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

* Too small to measure.

WEEK ENDING SATURDAY, JULY 16, 1881.

CAUSES	ADULTS	CAUSES	DULTS.	MINORS.	DEATHS IN EACH	
OF DEATH.	Αυσ	OF DEATH.	 A DU	MIN	WARD.	
Abscess, Abdominal	1	Inflam, Peritoneum	1 2	ι	First	35
" Pelvic	: 1	'' S. & Bowel	8 4		Second	17
T460E		Inanition	. 1	; 8	Third	19
Asthma	9	Intussusception	.' 1 . 2		FourthFifth	13 13
ApoplexyAsphyxia		1 Jaundice 3 Mania-a-potu	. î		Sixth	2
Bright's Disease	31	1 Marasmus		21	Seventh	21
Burns and Scalds		l Old Age	. 18		Eighth	īi
Cancer, diffused	1 1	Paralysis	. 5	1	Ninth	6
Liver	3	Purpura Hemorriia	-;	! .	Tenth	10
I Hai y HA	2	gica	· · · · i		Eleventh	10
" Stomach	2	Pyæmia	s 1	¦·····	TwelfthThirteenth	6
" Uterus	4	Scrofnla	i		Fourteenth	12
Caries of the Bones.	i	Softening of Brain.	. 1		Fifteenth	15
Casualties	3	2 Small Pox	. 5	9	Sixteenth	13
Cerebro-SpinalMen-		Sun Stroke	\ 3	1	Seventeenth	, 12
ingitis	. 1.	3 Tabes Mesenterica		- 8	Eighteenth	12
Congestion, Brain	1 1	8 Teething	• . •••••	į	Nineteenth	33
Cholom Infentum		Tumor of Neck 6 Uræmia	;	. 1	Twentieth	21
Cholera Infantum Morbus	5 1	2	·		Twenty-first Twenty-second	7 5
Cirrhosis of Liver	4		174	303	Twenty-third	. 6
Consumpt'n Bowels	1			-300	Twenty-fourth	26
" Lungs.	39	5			Twenty-fifth	28
Convulsions	i = 1	22			Twenty-sixth	19
Croup		4:			Twenty-seventh.	18
Cyanosis	i	5			Twenty-eighth	22 19
Degenerat'n, Heart Debility	i i'''	ö			Twenty-ninth Thirtieth	
Diarrhœa		Š			Thirty-first	
Dinhtheria	11	7				
Dropsy	12	Of the above there we	re :			
DIBIL		4i			,	
" Heart	17	Under 1 year	• • • • • • • • • • • • • • • • • • • •	213		
Disease of Brain Bowels	·····	1 From 1 to 2 1 '' 2 to 5	••••••			
" Heart		2 '' 5 to 10		26 12		
Drowned	1	2, '' 10 to 15			United States	386
Dysentery) 2)	1 '' 15 to 20		- 8	Foreign	81
Effusion on Brain	1	3 '' 20 to 30		35	Unknown	10
Epilepsy	. 1;			32	People of Color	32
Embolism of Pulm.				- 95	From Almshouse 'M. Hospital	6- 1
					M. HOSDITAL	
Artery	1 1	60 to 70	•••••	20		
Artery Emphysema, Lungs	1	'' 60 to 70	•••••	24		
Artery Emphysema, Lungs Fatty degeneration	1	70 to 80	•••••	24 18		
Artery	1	70 to 80	••••••	24		
Artery	1 1 1	'4 70 to 80	••••••	24 18 10		
Artery Emphysema, Lungs Fatty degeneration of Heart Fatty degeneration of Liver Fever, Scarlet	1	'4' 80 to 90	••••••	24 18 10	Premature Birth.	<u> </u>
Artery Emphysema, Lungs Fatty degeneration of Heart Fatty degeneration of Liver Fever, Scarlet '' Typhoid	1	' 70 to 80	••••••	24 18 10	Premature Birth.	<u> </u>
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet ' Typhoid Fracture of Skull	1	'* 70 to 80	••••••	24 18 10	Premature Birth. Males Females	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Frever, Scarlet Typhoid Fracture of Skull Heart Clot	1	' 70 to 80	••••••	24 18 10	Premature Birth.	<u> </u>
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet. '' Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs Hopoling Cough	1		••••••	24 18 10	Premature Birth. Males Females	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet. '' Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs Hopoling Cough	1	4 70 to 80	••••••	24 18 10	Premature Birth. Males Females	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver. Fever, Scarlet. ' Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs Hooping Cough Hypertrophy, Heart Inflammat'n, Brain	1 1 4 1 1 3	4 70 to 80	••••••	24 18 10	Premature Birth. Males Females Total	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet. '' Typhoid Fracture of Skull Hemorrhage, Lungs Hooping Cough Hypertrophy, Heart Inflammat'n, Brain '' Bronchi	1 1 4 1 2	4 70 to 80		24 18 10 4	Premature Birth. Males	
Artery Emphysema, Lungs Fatty degeneration of Heart Fatty degeneration of Liver Fever, Scarlet Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs Hooping Cough Hypertrophy, Heart Inflammat'n, Brain Bronchi Bladder Headder	1 1 4 1 4 1 2 2 2	70 to 80		24 18 10 4	Premature Birth. Males Females Total Still-Born.	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet. '' Typhoid Fracture of Skull Hemorrhage, Lungs Hooping Cough. Hypertrophy, Heart Inflammat'n, Brain '' Bronchi '' Bronchi '' Kidneys.	1 1 4 1 4 1 2	70 to 80		24 18 10 4	Premature Birth. Males	
Artery Emphysema, Lungs Fatty degeneration of Heart. Fatty degeneration of Liver Fever, Scarlet. '' Typhoid Fracture of Skull Hemorrhage, Lungs Hooping Cough Hypertrophy, Heart Inflammat'n, Brain '' Bronchi '' Bladder '' Kidneys.	1 1 4 1 4 1 2	4 70 to 80		24 18 10 4	Premature Birth. Males	

METROROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, JULY 16, 1881.

BAROMETER.	METER.			THI	ERMO	THERMOMETER.		REJ HUJ	RELATIVE HUMIDITY	TX .	O	DIRECTION OF WIND.	z .	VE OF	VELOC'Y OF WIND		STATE	STATE OF WEATHER,	THER.	RAIN
.M.A 70-7 .M.A 70-8 .M.A 70-11 .M.A 70-11 .M.A 70-11 .M.A 70-7 .M.A 70-7 .M.A 70-8 .M.A 70-11 .M.A 70-11	Mean Daily Value. NAT 70-T A.M. 10-107 P.M. 10-107	.M.A 70.7 .M.A 70.8 .M.A 70.11 Viled neem	8.07 P.M. M.97 70·II Viled neeM	M.T 70-II	Value Dally	.msmixsM	.mpminiM)M.A 70-7	.M.ª 70·8	M.4 70-11	.M.A 70-7	.M.T 70-8	M.9 70-11	.M.A 70-7	.M. 9 70-8	M.4 70·11	А.М.	3.07 P.M.	.07 A.M. 3.07 P.M. 11 47 P.M.	i i
10 30.17 30.07 30.06 30.10 70 86 73 76 5 86 67			0 86 73 76	73 76	9	- <u>8</u>	9 67	.8	57	8	σ Ω	≱	×		1	7 Fo	Foggy	Clear	Clear	ŝ
Monday, 11 30.04 29.99 30.01 30.01 71 84 78 77.8 86 68 100			1 84 78 77	78 77	Ė	- 8 <u>-</u>	89.8	- <u>8</u>	61	91	*	Z	Ħ	9	6 11 10	~	Foggy (Cloudy	Cloudy	Ş
Tuesday, 12 30.04 30.02 30.02 30.03 65 78 72 71.7 80 64 100	30.02 30.03 65 78 72 71	0.03 65 78 72 71	5 78 72 71.	72.71	÷	7 80	.64	13	74	86	田	SE	7 0	10	ಣ	4 Thu	Phreat (ening	loudy	Cloudy Cloudy	.13
Wed'd'y, 13 29·96 29·89.29·94 29·93 70 91 82 81·2			70 91 82 81	82 81 %	$\ddot{\Xi}$	22	94 68	63	28	33	\mathbf{x}	× .	MN	بن. ت	9	5 Fo	Foggy	Clear	Light Rain	*
Thursd'y,14 30.01 29.98 30.07 30.02 78 88 80 82.0 90 74	30-07 30-02 78 88 80 82-	0.02 78 88 80 82	8 88 80 82.	80 82.	ă	06:0	74	49	3 4.	28	Z	Z	臼	10	9	2 CJ	Clear	Clear	Cloudy	*
15 30·11 30·09 30·09 30·10 73 84 76 77·7 85 71	30.09 30.10 73 84 76 77	0.10 73 84 76 77	3 84 76 77	76 77.	÷	7.85	17	99	53.	45	NE	闰	SE	00	9	4 Clo). Kpt	Cloudy Cloudy	Clear	ş
Saturday, 16 30.05 29.92 29.80 29.92 70 85 76 77.0 86 67	29.80,29.92 70 85 76 77	92 70 85 76 77	0 85 76 77	76 77.	i-	98.	9 67	. 2.	51	96	SE E	8W	≱	က	3 16	8 Fo	sgy (loudy	Foggy Cloudy Cloudy	.46
30.02	:	:	1 :		1 %	- 1				i - []				<u> </u>	1					. 55 ·

* Too small to measure. The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JULY 23, 1881.

CAUSES	ADULTS	MINORS	CAUSES OF DEATH.	MINORS	DEATHS IN EACH	
OF DEATH.	4	MI	OF DEATH.	Ę.	WARD.	
Abscess, Psoas	1	1	Mania-a-potu	2	First	21
Aneurism, Popliteal	1		Marasmus		Second	23
AsthmaApoplexy			Old Age Paralysis	0 4	Third Fourth,	12
Asphyxia		i	Rheumatism	i	Fifth	15 14
Bright's Disease	2		Heart	1	Sixth	16
Burns and Scalds		1	Septicæmia	1	Seventh	15
Cancer	1		Softening of Brain	3	Eighth	10
" Liver	2	,	Small Pox		Ninth	5
" Lungs " Stomach	i		Suicide, Hanging	1 3	Tenth	9
" Uterus	2		Sunstroke Tabes Mesenterica		Eleventh Twelfth	8
Caries of the Pelvis.	ļ <u>.</u>	1	Teething	∷ 2	Thirteenth	ģ
Casualties	2	2	Tetanus	2	Fourteenth	14
Cerebro-SpinalMen-	ì	1	Trismus Nascent'm	1	Fifteenth	12
ingitis		1	Ulceration of Lung	1	Sixteenth	13
Congestion, Brain,	1	o i	Uræmia	1	Seventeenth	9
Cholera Infantum		127	17	905	Eighteenth	19
44 Manhara	1 4		114	0 000	Twentieth	29 14
Cirrhosis of Liver	1 4		 	_	Twenty-first	13
Colic	1		l	1	Twenty-second	26
Consumpt'n, Lungs.	37	7		ļ	Twenty-third Twenty-fourth	īï
Convulsions		23		1	Twenty-fourth	35
" Puerperal	1				Twenty-fifth	19
Croup Debility	6	$egin{smallmatrix} 1 & 3 \\ 1 & 2 \end{smallmatrix}$		1	Twenty-sixth	25
Diarrhœa	6				Twenty-seventh	21
Diphtheria		8			Twenty-eighth	25 16
Dropsy, Abdominal	1	Ĩ,			Thirtieth	12
" Brain		4			Thirty-first	18
" Lungs	1					
Disease of Heart		.3		1		
" Hip-joint	1		00 4ha ahara 4hara		,	
Drowned		î	Of the above there were:	1	l	
Dysentery		2	Under 1 year	203	Nativity, etc.	
Epilepsy	3	<u>.</u>	From 1 to 2	38	Mativity, etc.	
Erysipelas	1		" 2 to 5	26	United States	397
Fatty degeneration	!	ĺ,	" 5 to 10	17	Foreign	69
of Heart	1		" 10 to 15		Unknown	9
			" 15 to 20			
Fever, Puerperal	1				People of Color	34
Fever, Puerperal '' Scarlet		14	'' 20 to 30	39	From Almshouse	5
Fever, Puerperal 'Scarlet 'Typhoid	12	14 5	'' 20 to 30	39 27	From Almshouse M. Hospital	
Fever, Puerperal 'Scarlet 'Typhoid Fracture of Skull	12	14 5	' 20 to 30 ' 30 to 40 ' 40 to 50	39 27 24	From Almshouse	5
Fever, Puerperal Scarlet Typhoid Fracture of Skull Heart Clot	12 1	14 5	'' 20 to 30 '' 30 to 40 '' 40 to 50 '' 50 to 60	39 27 24 18	From Almshouse	5
Fever, Puerperal Scarlet Typhoid Fracture of Skull Hemorrhage, Lungs Intestinal	12 1 1 1	14 5 1	' 20 to 30 ' 30 to 40 ' 40 to 50 ' 50 to 60 ' 60 to 70	27 24 18 26 18	From Almshouse M. Hospital	5
Fever, Puerperal 'Scarlet 'Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs 'Intestinal Hooping Couch	12 1 1 1	14 5 1 5	" 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90"	39 27 24 18 26 18	From Almshouse M. Hospital Premature Birth.	5
Fever, Puerperal	12 1 1 1	14 5 1 5 15	" 20 to 30	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth.	50
Fever, Puerperal 'Scarlet 'Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs 'Intestinal Hooping Cough Infammat'n, Brain 'Bronchi	12 1 1 1 1	14 5 1 5 15	" 20 to 30	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth. Males	3
Fever, Puerperal 'Scarlet 'Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs 'Intestinal Hooping Cough Inflammat'n, Brain 'Bronch 'Kidneys	12 1 1 1	14 5 1 5 15	" 20 to 30. " " 30 to 40. " " 40 to 50. " " 50 to 60. " " 60 to 70. " " 70 to 80. " " 80 to 90. " " 90 to 100. "	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth. Males. Females	34
Fever, Puerperal 'Scarlet Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs Intestinal Hooping Cough Bronchi Kidneys Liver Lungs	12 1 1 1 1 1 	14 5 1 5 15 2 2 1 2	" 20 to 30. " " 30 to 40. " " 40 to 50. " " 50 to 60. " " 60 to 70. " " 70 to 80. " " 80 to 90. " " 90 to 100. "	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth. Males	3
Fever, Puerperal '' Scarlet '' Typhold Fracture of Skull Heart Clot Hemorrhage, Lungs 'I Intestinal Hooping Cough Inflammat'n, Brain '' Bronchi. '' Kidneys. '' Llurgs. '' Pericardium	12 1 1 1 1 4 1 3	14 5 1 5 15 2 2	" 20 to 30. " " 30 to 40. " " 40 to 50. " " 50 to 60. " " 60 to 70. " " 70 to 80. " " 80 to 90. " " 90 to 100. "	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth. Males. Females	34
Fever, Puerperal " Scarlet " Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs " Intestinal Hooping Cough Infammat'n, Brain " Kidneys " Liver " Lungs " Pericardium " Peritoneum	12 1 1 1 1 4 1 3 1 3	14 5 1 5 15 2 2 1 2	" 20 to 30. " " 30 to 40. " " 40 to 50. " " 50 to 60. " " 60 to 70. " " 70 to 80. " " 80 to 90. " " 90 to 100. "	39 27 24 18 26 18	From Almshouse M. Hospital Promature Birth. Males. Females	34
Fever, Puerperal 'Scarlet 'Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs 'Intestinal Hooping Cough Bronchi 'Kidneys 'Liver 'Liver 'Pericardium 'Periconeum 'Pleura	12 1 1 1 1 1 4 1 1 3 1 3	14 5 1 5 15 2 2 1 1 2 1 1	" 20 to 30. " " 30 to 40. " " 40 to 50. " " 50 to 60. " " 60 to 70. " " 70 to 80. " " 80 to 90. " " 90 to 100. "	39 27 24 18 26 18	From Almshouse M. Hospital Premature Birth. Males	34
Fever, Puerperal	12 1 1 1 1 1 4 1 1 3 1 5	14 5 1 5 15 2 2 1 2	" 20 to 30	39 27 24 18 26 18 16 22	From Almshouse M. Hospital Promature Birth. Males. Females	34
Fever, Puerperal "Scarlet "Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs "Intestinal Hooping Cough Inflammat'n, Brain "Bronchi "Kidneys "Liver "Liver "Pericardium "Peritoneum "Peura "S. & Bowels "Spine	12 1 1 1 1 4 1 1 3 1 3 1 5	14 5 1 5 15 2 2 1 2 1 6	" 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90" " 90 to 100"	39 27 24 18 26 18 16 2	Promature Birth. Males	34 7
Fever, Puerperal 'Scarfet 'Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs 'Intestinal Hooping Cough Inflammat'n, Brain 'Kidneys 'Liver 'Lungs 'Pericardium 'Peritoneum 'Pleura Sone Intemperance Intemperance	12 1 1 1 1 1 4 1 1 3 1 5	14 5 1 5 15 2 2 1 2 1	" 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90" " 90 to 100"	39 27 24 18 26 16 2	From Almshouse M. Hospital Fromature Birth. Males Totals Still-Born. Males	33 4 7
Fever, Puerperal "Scarlet "Typhoid Fracture of Skull Heart Clot Hemorrhage, Lungs "Intestinal Hooping Cough Inflammat'n, Brain "Bronchi "Kidneys "Liver "Liver "Pericardium "Peritoneum "Peura "S. & Bowels "Spine	12 1 1 1 1 4 1 3 1 3 1 5 1 2	14 5 15 22 2 1 2 1 9	" 20 to 30" " 30 to 40" " 40 to 50" " 50 to 60" " 60 to 70" " 70 to 80" " 80 to 90" " 90 to 100"	39 27 24 18 26 18 16 2 2 2 2 2 2 3 3 4 18 16 2 2 2 3 3 4 18 16 2 18 16 2 16 2 16 2 16 2 16 2 16	From Almshouse M. Hospital Premature Birth. Males	34 7

METEOROLOGICAL ORSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, JULY 23, 1881.

Month and Day.		BAROMETER,	ETER.		Ē.	HER	THERMOMETER.	ETE	ď	REHU	RELATIVE HUMIDITY	IVE	E .	DIRECTION OF WIND.	ON D.	VE	VELOC'Y OF WIND	ž ž	STATE OF		WEATHER.	RAIN
1881. JULY.	.K.A 70-7	.K.9 70.8	W•d 20·11	Mean Daily Value.	.M.A 70-7	M.4 70-8	Meen Daily	Value.	.msmlniM	.M.A 70-7	.M.4 70-8	M.9 70-11	.M.A 70-7	.M.4 70-8	K.4 70-11	.K.A 70-7	.M.¶ 70-8	M.9 70-11	7-07 A.M.	3.07 P.M.	т от А.М. 3 чт Р.М. 11 °07 Р.М.	z.
Sunday, 17 29-82 29-76 29-82 29-73	29.82	29.76.2	39.82	9.73	- 4 7	35,68	74 82 68 74 7 83 68	7 89	89	83		. 21	NW	NW	39. 51 NW NW NE	14 28	8	00	Fair	Clear	Clear	9
Monday, 18 29.75 29.64 29.72 29.71 67 79 72 72.7 80 60	29.75	29.64	29.72	29.71	67 7	7161	2.72	7 80	99	51	51 33		N N	NW	46 NW NW NW	14	14 23	4	Clear	Fair	Clear	Ė
Tuesday, 19 29.75 29.76 29.82 29.78 69 83 72 74.8 85 66	29.75	29.76	29.82	82.65	3 69	33 7.	2 74.	∞	. 68	51	8		N	71 NW NW	*	16	16 27	9	Clear	Light Rain	Clear	. 00
Wed'd'y, 20 29.90 29.82 29.80 29.84 73 85 76 78.6 87 65	29-90	29.85	308.62	39.84	738	35 7	.82 9	8 9	65	25		39: 69	MN	M	*		11 16	9	Fair	Fair	Cloudy	Ė
Thursd'y,21 29-72 29-64 29-77 29-71 76 87 74 79-3 88 71	29.72	29.64	3 11.62	29.71	3/9/	37.7	4 79	့ တ	3.71.	4	45	52		Z	NE	10 20	8	4	Fair	Clear	Clear	Ė
Friday, 22	29.77	22 29-77 29-70 29-72 29-74 69 76 68 71-0 77 66	29-72-5	29.74	69	76.6	8:71.	0.7	99.	98	92	28	Z	*	M	∞	4	œ	Clear	Cloudy	Clear	*
Saturday, 23 · 29 · 77 29 · 76 · 29 · 86 29 · 80 66 80 · 74 · 73 · 3 · 82 64 73	.29.77	29.16	398.62	08-65	399	30.7	4 73	ထိ	264	85	41	64	Z	Z .	闰	15	15 17	က်	Clear	Fair	Clear	Ė
Means		29.76		92.67	- :	:	74.9	-6	Τ :] :	1	1			1	<u> </u>	 	ĩ :				5

* Precipitation too small to measure. The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, JULY 30, 1881.

CAUSES	DULTS	MINORS	(CAU	SES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OF	DI	EATH.	ADU	MIN	WARD.	
Abscess, Lumbar	1		Rheui	mati	sm, Heart	1		First Second	20 14
Abscess, Psoas			Somell	Pos	Brain	3		Third	14
Apoplexy	4	۱ ۱۱	Suicid	le.Ct	ıt'gThroat	1		Fourth	9
Bright's Disease	õ	1	Sunst	roke	·	2		Fifth	15
Burns and Scalds	1		Syphi	lis		ļ 1.		Sixth	8
Cancer Stomach	l		Tabes	Mes	enterica	i ••••••	1	Seventh	22
" Ilterus	3		Tetan	mg.	is	1	i	Eighth Ninth	6 6 7 4
Casualties	4		Thron	nbo	is	. ī		Tenth	7
Congestion, Brain	' 1	9	Trism	us N	lascent'm.		2	Eleventh	4
Cholera Infantum		80	Tumo	r, B	ra.ın	. 1	•••••	Twelfth	5 5 3
" Morbus Cirrhosis of Liver								Thirteenth Fourteenth	
Concussion, Brain	•	i	Oræn	1126		ــــــــــــــــــــــــــــــــــــــ		Fifteenth	17
Consumpt'n Lungs	41	3				: 180	266		12
Convulsions		15					_	Seventeenth	14
i uci perai		1 -				-	1	Eighteenth	18
Croup Cyanosis		2 2				1	1	Nineteenth Twentieth	33 20
Dehility	•)	5	•					Twenty-first	14
Diabetes	. 1						İ	Twenty-first Twenty-second	14
Diarrhœa	3							Twenty-third	11
Dinhtheria	1 9							Twenty-fourth	28
Dropsy	! 2						1	Twenty-fifth	30 25
" Chest		3 1						Twenty-sixth Twenty-seventh	16
" Heart	' î							Twenty-eighth	16
Disease of Heart	. 1 9): 1						Twenty-ninth	23
Drowned	. 2	r 1						Thirtieth	9
Dysentery	. 3	} 1			45		1	Thirty-first	8
Erysipelas	2	2	UI	tne ar	ove there we	re:			
Enlargement, Heart	4	i	Unde	r 1 v	ear		182	1	
Fatty degeneration	ıl.) .	From	ı 1 to	2		31		
of Heart		2 <u>.</u>	66	2 to	5	• • • • • • • • • •	23		
Fever, Scarlet	·¦;	; 5		5 to	10 15	• • • • • • • • • • • • • • • • • • • •	18		
"Typhoid	•; •	3 5 1 1	4.6	10 to	20		1 7		360
GangreneMouth		: ī		20 to	30		. 39	Foreign	76
Hooping Cough		. 4		30 to	40		. 46	Unknown	10
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain 'Bronchi	t I	<u></u>		40 to	50	•••••	24	People of Color From Almshouse "M. Hospital	21 5
Innammat'n, Brain	•, •	13	: ;;	50 to	60 70	•••••	22	" ' M Hospital	ĭ
" Bladder		4′ 3 1'		70 tc	80	• • • • • • • • • • • • • • • • • • • •	20) M. Hospitar	_
"Kidneys		2			90				
" Lungs		53	1 66		100				
" Pericardium									
" Peritoneum. " S. & Bowels.								Premature Birth.	
". Uterus	٠	5 14 1						Males	6
Intemperance	:	i'						Females	2
Inanition		. 16					1	Total	8
Jaundice		1 1						1	1
Mania-a-potu	··. :	2	.1						_
Malformation Marasmus		$\frac{1}{1}$ 32					1		
Old Age		51						Still-Born.	ļ
			Male	g			. 22	3	I
Paralysis		• • • • • • • • • • • • • • • • • • • •			,				
Paralysis Perforation, Bowels	i. '	1	Fem	ales			. 22	Males	. 8
Paralysis		$\begin{vmatrix} 1 \\ 2 \end{vmatrix} \cdots $	Fem:	ales			. 14	Females	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, JULY, 30, 1881.

Month and Day.		BAROMETER.	erek.		·	ľHÉ	·	THERMOMETER.	ER.		RELA	RELATIVE	-	DIRECTION OF WIND-	OF WIND-		VEL OF	VELOC'Y OF WIND	»,A	STAT	STATE OF WEATHER.	THER.	RAIN
1881. JULY.	.M.A 70-7	.M.9 70-8	M.9 70·11	Mean Daily Value.	.M.A 70-7	.M.9 70.8	M.9 70 II	Mean Daily Value.	Maximum.		.M.A 70-7	M. 9 70 II	M.A 70-7		.M .4 70-8	IX.4 70-11	.M.A 70-7	.M .q 70-8	M.9 70-11	7.07 A.M.	3.07 P. M.	7.07 A.M. 8.07 P. M. 11.07 P. M.	1
Sunday, 24	24 29-94 29-92 29-98 29-95	29-92	29.98	29-95		98	177	1.82	71 86 74 78·7 88 67		39	34 7	71 NE		S.	: :	3 11		7	Clear	Fair	Clear	9
Monday, 25	25 29-97 29-90 29-85 29-87 74-86 76 78-6 89 69	29.90	29.85	29.87	74	98	-92	9.82	89.68	_	85.	8 8	82 W		*	- 2Ω	101	10 18 12	01	Fair	Fair	Fair	ë
Tuesday, 26	26 29.87 29.87 29.87	29.87	29.87	29.87	73	38	11/1	6.72	73 85 77 72-9 86 72		- % - %	39, 4	W ⊨84		NW NW	×	9]	9 12	=	7 Cloudy	Fair	Cloudy	9
Wed'd'y, 27 29.88 29.85 29.86 29.89	88-65	29.85	98.67	68.65	2	62	-69	74.3	70 79 69 74.8 82.67		58. 4	44 7	76 N		<u>·</u>	 *	11	က	5	5 Cloudy	Fair	Clear	? 0.
Thursd'y,28 29.87 29.85 29.94 29.88 67 82 73 70.8 83 64	29.87	29.85	29.94	29.88	67	85	73	8.02	83,64		73	39	82 NW	Z N	N Z	·	6		4	Clear	Fair	Clear	ş
Friday, 29		30.03 30.08 30.18 30.24	30.18	30.54	69	13	<u> 1</u> 02	37.3	69.73 70 67.3 80 65		2 6	99	93 E	표 표	田	<u></u>	1	9	<u></u>	Hazy	Cloudy	Cloudy	*
Saturday, 30		30-26 30-24 30-22 30-19	30.55	30·19		67	67_7	7.07	68 67 67 70.7 71 66		<u>-</u>	93 100		,- -	A	 妇	14 13		<u>.</u> 6	Threat- ening	Light Rain	Light Rain	Ģ
Means				30.05	I , i,	T :	 	73·3		<u>i</u>	<u> </u>	<u> </u>					:	<u> </u>	<u> </u>				i ii

*Precipitation too small to measure, The surface of the mercury in the cistern of Barometer is 464 feet above the mean level of the sea. Barometer corrected for temperature, elevation above 2ea, and justrumental error,

WEEK ENDING SATURDAY, AUGUST 6, 1881.

CAUSES	ADULTS.	MINORS.	CAUSES	DULTS.	MINORS.	DEATHS IN EACH	
OF DEATH.	ADI	MIN	OF DEATH.	A DT	MIN	WARD.	•
							_
Abscess, Lungs		1	Inanition	2	6	First	28
"Renal	1		Jaundice	1		Second	19
" Strumous		1	Marasmus		18	Third	8
Atheroma, Arteries.	1		MeaslesOld Age		1	Fourth	11
Bright's Disease	3	1	Old Age	17	•••••	Fifth	9
Burns and Scalds	1	ຸ 3	Paralysis			Sixth	6 21
Cancer, Breast	.)			ı	1	Seventh	
" Liver	•		Pyemia	1		Eighth Ninth	8
" Pylorus	ĩ		Rheumatism, Heart Softening of Brain,	1	•••••	Tenth	13
" Stomach	$\overline{2}$		Small Pox	3	8	TenthEleventh	3
" Uterus	4		Small Pox	1		Twelfth	4
Casualties	.,		Syncope	1	1	Thirteenth	9
Cerebro-Spinal Men-			Tabes Mesente Ica			Fourteenth	9
ingitis	•••••	2	Tumor of Stomach.			Fifteenth	19
Congest'n, Brain	3 1	$\frac{7}{2}$	Uræmia	1	••••	Sixteenth	6
Dungs		75	'	171	2004	Seventeenth	13 21
Cholera Infantum Morbus				174	224	Eighteenth Nineteenth	26
Cirrhosis of Liver			-	_'	_	Twentieth	15
Consumpt'n, Bowels	1		!	1		Twenty-first	12
Lungs	38	5	•			Twenty-second	9
Convulsions		9	•			Twenty-third	4
" Puerperal	ļ	•••••				Twenty-fourth	22
Cramps	1			- 1		Twenty-fifth	19
Croup		+		- 1		Twenty-sixth	14
Cyanosis	5	1 9	·	- 1		Twenty-seventh.	19 9
Debility Diarrhœa		3		- 1	i	Twenty-eighth	18
		$\tilde{3}$		- !		Twenty-ninth Thirtieth	12
Dropsy	4			- 1	-	Thirty-first	12
		3		- 1		1	
" Chest		•••••		- 1			
" Heart		•••••	Of the above there were:	1		1	
Lungs				1		1	
Disease of Heart,		- 4	Under l year		127	\$9-12-24	
Drowned Dysentery		. 2	From 1 to 2	·····;	46	Nativity, etc.	
Dyspepsia		ĩ	' 5 to 10		21	United States	216
Effusion on Brain	1		" 10 to 15		1	Foreign	69
Enlargement Liver.	1		" 15 to 20		12	Unknown	13
Fatty degeneration			'' 20 to 30		36	Unknown People of Color	28
of Heart	1	•••••	' 30 to 40		27	From Almshouse	10
Fatty degeneration	١,		'' 40 to 50	;	23	" M. Hospital	2
of Liver		i	30 to 90	• • • • ,	30		
Fever, Remittent	*****	9	" 60 to 70	••••	23;		
" Typhoid	10	5	" 80 to 90		17 15		
Gangrene, Neck,	ĩ		'' 90 to 100		3	Premature Birth.	
Hemor'hage, Bowels	1	1	50 to 100		٠,	Tremeture Dirth.	
" Secondary			•	i		Males	4
" Umbilicus		1				Females	5
Hernia		1				Total	9
Hooping Cough	6	1				4	
Hypertrophy, Heart Inflammat'n, Brain	$\frac{1}{2}$	٠٠		- 1			
Innammat'n, Brain		8		,	-		
" Bronchi	3				- 1	G4111 Para	
Liver			Males		204	Still-Born.	
" Lungs	4	3	Females			Males	10
" Peritoneum.	3	1	Boys			Females	7
S. & Bowels			Girls		110	Total	17
	W.	- 1		!	- 1		

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

. DURING THE

Week Ending Saturday, August 6, 1881.

Month and Day.		BARO	BAROMETER	ž		THE	SRM	THERMOMETER.	ER.	===	REL	RELATIVE HUMIDITY	44	DIR	DIRECTION OF WIND.	N. C	VE OF	VELOC'Y OF WIND	P P	STAT	STATE OF WEATHER.	THER.	RAIN
1881. JULY.	.M.A 70-7	.M.q 70.8	M.9 70·11	Mean Daily Value.	.M.A 70·7	M.4 70.8	M.9 70-11	Mean Daily Value.	.momixeM	.mrminiM	.M.A 70-7	.M.4 70-8	M. 4 70·11	.M.A 70-7	.M.T 70-8	M.¶ 70·11	.M.A 70-7	.M. 4 70.8	M.9 70-11	7.07 A. M.	3-07 P. M.	3-07 P. M. 11-07 P.M.	i.
Sunday, 31		4 30 14	130-18	30-24 30-14 30-18 30-19		72	22	68 72 72 70-7	75 66		100	- 6	97	덛	闰	N W	∞	8 19	4	Light Rain	Light Rain	Fair	.53
Monday,	1, 30.2	0,30-12	2 30.14	30.20 30.12 30.14 30.15		83	73	69 83 73 75 2 85 68	82	_ _	100	53	6	<u>₹</u>	MX	SW	4	4 13	5	Foggy	Fair	Cloudy	Ģ.
Tuesday,	2 30-1	5,30.06	3 30 07	30-15 30-06 30-07 30-09		83	73	72 83 73 76 3 86 70	98	 2	3 5	61	84	Calm	202	SW	0	0 12	4	Hazy	Fair	Clear	90.
Wed'd'y,	3 30.1	3 30.06	30.08	30.13 30.05 30.08 30.09		88	79	75 88 79 81 0 89 69		66	92	39	69	NE	σ Ω	SW	70	4	4	Clear	Clear	Fair	9
Thursd'y,	4 3%.10	30.08	3,30.06	4 89.10 30.03 30.06 30.06		93	20	77 93 79 82-2 96 73	96	က္	74	34	4	<u>₹</u>	N	*	Ø	~	9	Clear	Hazy	Cloudy	ş
Friday,	5 30.00	6 30.01	1 30.04	5 30.06 30.01 30.04 30.03 79 93 80 84.2 94 77	79	93	8	84.5	94.7	=======================================	12	43	-62	```	σ Ω	SW	Ø	6	00	Cloudy	Hazy	Hazy	8
Saturday,	0.08	2.29.91	36.66	6 30 02 29 91 29 96 29 96 78 92 78 82 7	28	92	- 82		94 75		88	9	- 32	S.W	ΩΩ	≱	10.2	23	10	Hazy	Clear	Fair	9
Means				30.08	:	1:	Ĭ .	78.9	 	<u> </u>			 :				1 :	 	T:				88

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, AUGUST 13, 1881

CAUSES OF DEATH.	ADULTS.	MINORS.	CAUSES OF DEATH.	ADULTS.	MINORS.	DEATHS IN EACH	
Asthma. Apoplexy. Bright's Disease. Burns and Scalds Cancer, Breast ' Colon ' Face ' Kidneys ' Liver ' Lung ' Mouth ' Stomach ' Uterus Casualties Corebro-SpinalMeningtis. Congest'n, Brain ' Morbus Cirrhosis of Liver Collapse of Lungs Consumpt'n, Bowels Convulsions. Croup Crenosis	5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 2 2 4 2 62 3 1	Inflam, Peritoneum "S. & Bowels. "Uterus. Intemperance. Insanity. Inanition. Killed by Lightning Mania-a-potu. Marasmus. Murder. Old Age. Obstruct'n, Bowels. Paralysis. Purpura. Rheumatism. Scierosis of Spine. Septicæmia. Sore Mouth. Softening, Brain. Small Pox. Sulcide. "Laudanum. Sunstroke. Tabes Mesenterica. Tetanus. Uræmia.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	First	28 19 18 16 11 11 22 9 4 11 4 6 9 7 18 3 8 12 12 22 6 7 16 20 12 14 16
Cyanosis. Debility Diarrhœa Diphtheria Propsy Grain Chest Heart Disease of Brain	3 3 5	10 5 6 3 1	Of the above there we	210	240	Twenty-eighth Twenty-ninth, Thirtieth Thirty-first	16 16 10 15
Drowned Dysentery Effusion on Brain Embolism of Heart Enlargement, Heart Prostate Fatty degeneration of Heart Fatty degeneration	1 1	1 	Under 1 year		19 27 19 5 7 38 45	Foreign Unknown People of Color From Almshouse ' M. Hospital	336 89 25 21 6 1
of Liver	11 11 1 1	4 4 1 4	" 50 to 60	· · · · · · · · · · · · · · · · · · ·	30 24 19 13	Premature Birth.	2 3 5
Hypertrophy, Heart '' Liver Inflammat'n, Brain '' Bronchi '' Bladder '' Liver '' Lungs '' Pericardium	1 4 1 10 1	10 2 10			228	Males Females	, 8 3 11

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, AUGUST 13, 1881.

Month and Day.		BAROMETER.	ETER.		H	HE	THERMOMETER.	MCET	EB.	M III	RELATIVE	TIVE	-	DIRECTION OF WIND.	ION ND.	<u> </u>	VELOC' OF WIND.	S. A	STA1	STATE OF WEATHER.	THER.	KAIN
1881. AUGUST.	.M.A 70-7	.M.T 70-8	M.4 70·11	Vilad mesM Selly .	.M.A 70·7	.M.9 70-8	M. T 70-11	Value.	Maximum.	INL V 40-4	.M.A 70·7	M.9 70-11	.M.A 70-7	.M.T 70:8	M.9 70-11	JAL V 20-2	.M.A 70·7	M.9 70-11		107 A. M. 307 P. M. 11-07 P.M.	11-07 P.M.	i i
Sunday, 7	29-91	29.86	29.91	7 29.91 29.86 29.91 29.89 73 77 69 73.0 88 69	. 85	4			33.6		9 06	69	93 NW	M N	NW WN		9	8	8 Cloudy	Cloudy Cloudy Cloudy	Cloudy	99.
Monday, 8	30.05	30.00	30.02	8 30.02 30.00 30.05 30.02 67 79 73 73-2 81 63	67	62	73/7	3.5	81		73 3	38 64	Z	NE	Calm		10 7		Clear	Fair	Clear	ફ
Tuesday, 9	30.03	29.86	29.78	9 30.03 29.86 29.78 29.89 68 83 76 75.8 84 65	88	83	76/7	3.8	846		78	57 8	82 W	N N	N S		6 14		Cloudy	Fair	Fair	.03
y, 10	29.73	59.69	29.88	Wed's'y, 10 29.73 29.69 29.88 29.77 77 88 73 79.3 90 72	77	88	737	9.3	-2		82 4	44 5	50 W	NW	NE		4 11 12		Clear	Fair	Clear	\$
,y,11	29-97	29.94	86.68	Thursd'y,11 29.97 29.94 29.98 29.97 67 80 70 72.3 82	67	8	707	5.3	82	88	59	33 7	70 N	MN	M		- 00	4	4 Clear	Clear	Clear	\$
Friday, 12	86.67	29-90	29.84	12 29.98 29.90 29.84 29.91	71	82	71 82 74 75-7	2.4	82	99	92	49 6	W W	*	8		4-13	4 12 11	Clear	Cloudy	Clear	8
Saturday, 13	29.75	29.62	29.73	29·75 29·65 29·73 29·71.		16	74 97 78 83.0 99	3.0	- 66	69	- 28	36 7	74 W	*	N N		8 12		8 Fair	Fair	Clear	0 5.
<u> </u>				Means 29.88		<u> </u>		0.9			 						 :	<u> : </u>				- 68 - 68

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea, Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, AUGUST 20, 1881.

CAUSES OF DEATH.	ADULTS.	MINORS.	CAUSES OF DEATH.	ADULTS.	MINORS.	WARD.	
Abscess of Brain Aneurism, Aorta Apoplexy Bright's Disease Burns and Scalds 'Breast 'Breast 'Liver 'Uterus Casualties Cerebro-SpinalMeninglis Congestion, Brain 'Liver 'User Congestion, Brain 'Liver 'Auror John Congestion, Brain 'Liver 'Congestion, Brain 'Lungs. Cholera Infantum 'Consumpt'n, Bowels 'Uurgs. Convulsions 'Puerperal. Coup Cyanosis Debility	1 2 4 2 1 1 1 1 1 2 4 7 1 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		16 5 1 1 2 1 3 1 1 1 1 2	1 1 1 2 221	First	31 9 14 10 9 3 11 6 4 7 6 4 10 5 14 11 8 13 26 16 7 17 32 22 19 3
Debility	1 3 11 4 2 1 1 1 1 1 1	2 5 3 1 1 1 2 7	Of the above there wer Under 1 year		129 40 23 12 8 9 38 42 21 21 19 26	Nativity, etc. United States Foreign Unknown People of Color From Almshouse "M. Hospital	20 12 13 13
"S. & Bowels. " Uterus	3 	2 1 4 20 11 1			195	Fremature Birth. Males	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, AUGUST 20, 1881.

RAIN	i.	8	9	9	-14	.01	.01	\$.16
THER.	11-07 P.M.	Clear	Fair	Clear	Light Rain	Cloudy	Cloudy	Fair	
STATE OF WEATHER.	707 A. M. 807 P. M., 1107 P.M.	Cloudy	Cloudy	Fair	Cloudy	Cloudy	Fair	Cloudy	
STAT	7.07 A. M.	Clear	Clear	Clear	Clear	2 Cloudy	Cloudy	Cloudy Cloudy	
Υ. J.	M.9 70-11	13	6	4	C1	01	0	_	1 :
ELOC' OF WIND	.M.ª 70·8	7 18 13	30	3	00	-	4	6.12	T :
VELOC'Y OF WIND.	.M.A 70.7	~	15 13	12 12	15	~	∞	9	:
	M.4 70·11	Z	NE	SE	NE	ZE	Calm	Z	
DIRECTION OF WIND.	.M.¶ 70-8	z	A	闰	闰	田	άσ	Z	
	.M.A 70-7	Z	Z	NE	W V	z	Z	Z	
异	M.9 70-11	57	53	28	87	78	2	74	
RELATIVE	.M.4 70-8	20	35	20	55	28	52	58	
REH	.M.A 70·7	48	63	63	89	82	15	8	1
	.mamlalM	55	63	<u>4</u>	26	26		98	ī - 1
ER.	.mrmixsM	- 62	œ	74	-69	92	62	8	i : l
THERMOMETER.	Mean Daily Value.	71 76 69 72.0 79 65	2.11	65 73 63 67·3 74 64	63.3	61 66 65 64 3 67 59	64 77 69 66-9 79 63	69 79 76 74.8 80 66	68.5
ER	M.9 70 II	69	2	83	61	3	69	92	<u> </u>
TH	3-07 P.M.	92	4	73	67	99	4	42	<u> </u>
	.M.A 70-7		99	65	62	19	2	69	1
	Mean Daily Value.	14 29.83 29.81 29.90 29.85	30.05	30.15	30.14	30.04	19 29 97 29 86 29 86 29 90	29.78	86.63
BAROMETER.	м.ч тол	29-90	30.08	30-18	30.11	30.01	29.86	29.76	
BARON	8·07 P.M.	29.81	29.98	30.13	30.13	30.03	29.86	29.76	
	.M.A 70·7	29.83	29.99	30.15	30-17	30.09	29-97	29.83	
<u> </u>		14	15	16	17	18	19	8	1 [
Month and Day.	1881. AUGUST	Sunday,	Monday, 15 29-99 29-98 30-08 30-02 66 77 70 71-2 78 63	Tuesday, 16 30·15 30·13 30·18 30·15	Wed's'y, 17 30·17 30·18 30·11 30·14 62 67 61 63·3 69 59	Thursd'y,18 30.09 30.03 30.01 30.04	Friday,	Saturday, 20 29.88 29.76 29.76 29.78	Means

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea, Barometer corrected for temperature, elevation above sea, and instrumental error,

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WEEK ENDING SATURDAY, AUGUST 27, 1881.

CAUSES	ADULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADI	KI	OF DEATH.	ADI	MIN	WARD.	
Abscesses		1	Obstruct'n, Bowels	2		First	1
Anæmia	1		Paralysis	6		Second	1
Apoplexy,			Rupture, Intestines.	1	••••		,
Asphyxia		1	Scrofula		1	Fourth	
Bright's Disease	6		Septicæmia	1	••••	Fifth	
Burns and Scalds	<u>'</u> 1	1	Softening of Brain.			Sixth	1
Cancer, diffused	1		Small Pox	3	- 7	Seventh	- 1
"Kidneys	, 1		Suicide, Drowning	1	•••••••	Eighth	
	1		Sunstroke	1 1	••••	Ninth	
"Throat & Nose		1	Tetanus	1		Tenth Eleventh	
"Uterns	1		TrismusNascent'm Ulcerat'n, Stomach	ï	_	Twolth	
Cerebro-SpinalMen-	5			i	•••••	Twelfth Thirteenth	:
	1	1	Unknown Uræmia	2		Fourteenth	1
ingitis Congestion, Brain	i	5	Oræmia	4		Fifteenth	i
Lungs		4		156	193	Sixteenth	1
Cholera Infantum		30	i	100		Seventeenth	î
" Morbus			1			Eighteenth	i
Consumpt'n, Bowels	i		1	i		Nineteenth	2
"Lungs	34	6		- 1		Twentieth	2
Convulsions		12		- 1		Twenty-first	_
roup		2		- !		Twenty-second	10
Cyanosis		2		j		Twenty-third	Ξ.
Debanch	1			i		Twenty-fourth	2
Debility	: 3	4				Twenty-fifth	19
Diabetes	' 2					Twenty-sixth	1:
Diarrhœa		i 3		i		Twenty-seventh	2
Diphtheria		8		- 1		Twenty-eighth	- 1
Dropsy	1		l .	- 1		Twenty-eighth Twenty-ninth	1
ъгыц		3	ĺ	- 1		Thirtieth	14
" Liver	1		, 1			Thirty-first	
Disease, Brain	1		Of the above there were	:			
Heart			77. 3 . 3				
жишеук	6		Under l year	•••••	112	1	
Drowned Effusion on Brain	. 0	2	From 1 to 2		33	Nativity, etc.	
	•••••	í			18	•	•
Enlargement, Liver	1		" 10 to 15		14 6		
pricpay							
cutiv deceneration			46 15 to 90			United States	260
Epilepsy Fatly degeneration	2		'' 15 to 20		10	United States	
of Heart	2		'' 15 to 20 '' 20 to 30		10 32	Foreign	7:
of Heart	2	7	' 15 to 20 ' 20 to 30 ' 30 to 40		10 32 32	Foreign	7:
of Heart Fever, Scarlet '' Typhoid	2 12	 7 2	'15 to 20		10 32 32 28	Foreign	1
of Heart Fever, Scarlet '' Typhoid Bangrene of Foot	12 1	7 2	' 15 to 20		10 32 32 28 15	Foreign Unknown People of Color From Almshousei	1
of Heart Fever, Scarlet '' Typhoid Bangrene of Foot Hemorrhage, Lungs	2 12	7 2	" 15 to 20		10 32 32 28 15 24	Foreign	11
of Heart	12 12 1 2	7 2	" 15 to 20		10 32 32 28 15 24 16	Foreign Unknown People of Color From Almshousei	11
of Heart	12 12 1 2	7 2	" 15 to 20		10 32 32 28 15 24 16	Foreign	1
of Heart	12 12 1 2 1 1	7 2 8	" 15 to 20		10 32 32 28 15 24 16	Foreign Unknown People of Color From Almshousei	11
of Heart	12 12 1 2 1 1 2 3	7 2 8 4 2	" 15 to 20		10 32 32 28 15 24 16	Foreign	11
of Heart	12 1 2 1 1 2 3	7 2 8	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart	12 1 2 1 2 3	7 2 8 4 2	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart	12 1 2 1 3 	8 	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart	12 1 2 1 2 1 3 3	8 8 4 2 1 	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart	12 1 2 1 1 2 3 3 1 2	8 4 2 1 4 2	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart. Fever, Scarlet '' Typhoid Bangrene of Foot Hemorrhage, Lungs Hernia, Strangult'd Hooping Cough Hypertrophy, Heart nflammat'n, Brain. '' Bronchi '' Cerv. Gland '' Kidneys '' Lungs '' Lungs '' Peritoneum '' Spine	12 1 2 1 2 3 3 1 2 2 2 2	8 4 2 1	" 15 to 20		10 32 32 28 15 24 16	Foreign	7:
of Heart	12 1 2 1 2 3 3 3 1 2 4	8 4 2 1 4 2	" 15 to 20		10 32 32 28 15 24 16	Premature Birth. Males	7:
of Heart. Fever, Scarlet Gargene of Foot. Hemorrhage, Lungs Hernia, Strangult'd Hooping Cough. Hypertrophy, Heart nfiammat'n, Brain. Cerv. Gland Kidneys Lurgs Lurgs Peritoneum Spine Spine utemperance	12 1 2 1 3 3 3 1 2 2 4	7 2 8 4 2 1 1 13	" 15 to 20		10 32 32 28 15 24 16	Foreign	7
of Heart	12 1 1 2 1 2 3 3 1 2 2 4 1	7 2 8 4 2 1 1 13 11	" 15 to 20		10 32 32 28 15 24 16 7 2	Premature Birth. Males	7:
of Heart. Fever, Scarlet ' Typhoid Gangrene of Foot Hemorrhage, Lungs Hernia, Stranguit'd Hooping Cough Hypertrophy, Heart nflammat'n, Brain. ' Cerv. Gland ' Kidneys ' Liver ' Lungs ' Peritoneum ' Spine ' Spine ' Se & Bowels utemperance nanition aundice	2 12 1 2 1 2 3 3 3 1 2 2 4 1	7 2 8 4 2 1 1 18 11 1	" 15 to 20		10 32 32 28 15 24 16 7 2	Poreign	77
of Heart. "Fever, Scarlet "Typhoid Sangrene of Foot Hemorrhage, Lungs Hernia, Stranguit'd Hooping Cough Hypertrophy, Heart Infianmat'n, Brain. "Bronchi "Cerv. Gland "Kidneys "Liver "Liver "Lungs "Peritoneum "Spine "S, & Bowels Intemperance Intelligent of the second aundice aundice aundice "Aungent of the second of the secon	2 12 1 2 1 2 3 3 3 3 1 2 4 1 	7 2 8 4 2 1 1 18 11	" 15 to 20" " 20 to 30" " 30 to 40" " 40 to 50" " 50 to 40" " 50 to 70" " 70 to 80" " 70 to 80" " 80 to 90" " 90 to 100		10 32 32 28 15 24 16 7 2	Foreign	72 72 11 11 11 11 11 11 11 11 11 11 11 11 11
of Heart. Fever, Scarlet ' Typhoid Gangrene of Foot Hemorrhage, Lungs Hernia, Stranguit'd Hooping Cough Hypertrophy, Heart nflammat'n, Brain. ' Cerv. Gland ' Kidneys ' Liver ' Lungs ' Peritoneum ' Spine ' Spine ' Se & Bowels utemperance nanition aundice	2 11 1 2 1 3 3 1 2 2 4 1 1	7 2 2 8 8 2 1 1 18 11 1 1 8 4 8 4	" 15 to 20		10 32 32 28 15 24 16 7 2	Poreign	286 77 11 11 15 15 15 15 15 15 15 15 15 15 15

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, AUGUST 27, 1881.

RAIN	I.	90.	9	ŝ		9	ė	90.	, 86
WEATHER.	11:07 P.M.	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
E OF WEAT	M. 807 P. M. 11-07 P.M.	Fair	Clear	Fair	Clear	Clear	Clear	Clear	
STATE OF	7.07 A. M.	Clear	Clear	Clear	Clear	Clear	Foggy	Clear	
λ	M.97 70·11	4	9	0	4	7	9	9	
VELOC'Y OF WIND.	M.4 70-8	10 12	13	6	61	TO.	-	9	
VE	.M.A 70-7	10	11	10	9		က	_	1 :
O.	м.ч 10-11	Z	NE	Calm	σα	8W	SW.	SW	
DIRECTION OF WIND.	.M.¶ 70-8	N Z	Z	Z	闰	σ Ω	αΩ	ar.	
IG	.M.A 70·7	Z	z	Z	Z	SE	×	M N	
VE	M.9 70·11	28	43	20	8	84	28	78	
RELATIVE HUMIDITY	3.07 P.M.	34	36	83	83	51	44	51	
RE	.M.A 70-7	20	76	63	59	90	84	06	
	.mumiaiM	69	67	64	65	62	62	64	<u> </u>
ER.	.mrmixsM	89	83	200	84 65	82	50	25	
THERMOMETER.	Mean Daily Value.	70 76.5	70 82 73 75 0 83 67	73.8	72.7	82 80 67 70.8	73·1	67 83 69 73.0	73.6
RM	M.4 70·11	22	73	33	29	67	-89	69	T :
HE	.M.A 70.8	70 87	82	85	2	8	8	83	
	.M.A 70-7	5_		99	67		67	67	
	Mean Daily Value.	29-71	29.94	30.13	30.25	30.29	30.26	30-19 30-22	30.12
BAROMETER.	м.ч 10-11	29·79 29·72 29·80 29·71	30.05	30.17	30-26 30-20 30-30 30-25 67 84 67 72-7	30.35 30.23 30.31 30.29	30-32 30-22 30-26 30-26 67 84 68 73-1	30.19	
BAROM	.M.¶ 70-8	29-72	29.91	30.08	30.50	30.23	30.22	30-19	
	.M.A 70·7		22 29-89 29-91 30-02 29-94	30·13 30·09 30·17 30·13 66 82 73 73·8 83 64	30-26			30-29	
<u>\$</u>	I	21	23	প্র	22	श्च	8	27	
Month and Day.	1881. AUGUST	Sunday,	Monday	Tuesday,	Wed's'y,	Thursd'y,25	Friday,	Saturday, 27	Means

The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, SEPTEMBER 3, 1881.

CAUSES	5	MINORS	CAUSES	12.	ORB	DEATHS IN EACH	
OF DEATH.	ADULTS	MIN	OF DEATH.	ADULTS	MINORS	WARD.	
Abscesses		1	Infla'mat'n, Tonsil	s	1	First	19
" Liver	. 1		Intemperance	2		Second	16
" Lungs	11	!	Inanition	1	6:	Third	7
Aneurism of Aorta.	1.	;	Intussusception	1		Fourth	4
Anæmia	1'	*** *** , ,	mania-a-potu	1		Fifth	6
Apoplexy	. 4.		Marasmus			Sixth	6
Bright's Disease	7	1;	Neglect			Seventh	13 8 2
Burns and Scalds	. z	•••••!	Old Age	8		Eighth	ğ
Cancer, Breast	1		Paralysis	6		Ninth	6
"Kidneys	1	••••••	Pelvic Cellulitis	·· †	•••••	Tenth	9
TH A CT ***	1		Pols'ng, Laudanum	1		Eleventh	8
Mice, Gianus.	1		Pyæmia Rheumatism, Hear	1	1	Thirteenth	8
" Œsophagus.	. 2		Septicæmia	гы т		Fourteenth	10
Casualties	5		Sore Mouth		4	Fifteenth	14
Cerebro-SpinalMen.		2	Softening of Brain	5	i T	Sixteenth	-6
Congestion, Brain	2	, <u>6</u> ,	Small Pox	ĭ		Seventeenth	15
" Liver	ĩ		Small Pox Stone in Bladder	∷ î		Eighteenth	14
" Lungs		1	Suicide, Drowning	"l î		Nineteenth	25
" Spine,	. 1	·	Tabes Mesenterica		2	Twentieth	13
Cholera Infantum		32	Tabes Mesenterica Tetanus		: ī	Twenty-first	3
Cirrhosis, Liver			Illceration Rowels	a	. 1	Twenty-second	9
Concussion, Brain	. i		Urremia	2		Twenty-third	11
Consumpt'n, Lungs.	46	4	Uræmia Wounds, Gunshot.	1		Twenty-fourth Twenty-fifth	27
Child-birth	., 1		,	!		Twenty-fifth	14
Convulsions		. 15		182	193	Twenty-sixth	21
Croup		2			-	Vwenty-seventh.	24
Cyanosis		1:			1	Twenty-eighth	17
Debility	. 4					Twenty-ninth	20
Diabetes						Thirtieth	10
Diarrhœa	. 5				}	Thirty-first	10
Diphtheria	., 1				i	'	
Dropsy	. 3				1		
" Brain		. 2					
		•••••				Nativity, etc.	
Disease of Brain	. 1		Of the above there w	ere :		2,22,13,, 000.	
" Heart	. 0	, ;	Under 1 year		00		
Drowned			Under I year	•••••	96	United States	~
Dysentery Dyspepsia	. 2	i	From 1 to 2	•••••	37	Foreign	277
TO A C DO DO TO		. 5	' 5 to 10				
Effusion on Brain					1 14	I nknown	84
Effusion on Brain	. ·	2			16	Unknown People of Color	14
Effusion on Brain Enlargement, Liver	r 1	1	'' 10 to 15		16	People of Color From Almshouse	14
Effusion on Brain Enlargement, Liver Fever. Malarial	r 1		'' 10 to 15 '' 15 to 20		16 7 11	People of Color From Almshouse	14
Effusion on Brain Enlargement, Liver Fever. Malarial	r 1		' 10 to 15 ' 15 to 20 ' 20 to 30		11 41	People of Color From Almshouse 'M. Hospital	14
Effusion on Brain Enlargement, Liver Fever, Malarial 'Puerperal 'Remittent	r 1 . 1 . 1		" 10 to 15 " 15 to 20 " 20 to 30 " 80 to 40		7 11 41 39	People of Color From Almshouse "M. Hospital	14
Effusion on Brain Enlargement, Liver Fever, Malarial '' Puerperal '' Remittent '' Scarlet	r 1 . 1 . 1	10	" 10 to 15 " 15 to 20 " 20 to 30 " 80 to 40 " 40 to 50		11 41 39 25	People of Color From Almshouse 'M. Hospital	14
Effusion on Brain Enlargement, Liver Fever, Malarial Puerperal Remittent Scarlet Typhoid	r 1 . 1 . 1	10	' 10 to 15		7 11 41 39 25	People of Color From Almshouse ' M. Hospital	14
Effusion on Brain Enlargement, Livet Fever, Maiarial '' Puerperal '' Remittent '' Scarlet '' Typhoid Fracture of Thigh '' Vertebrs	. 19		" 10 to 15		7 11 41 39 25 23 27	People of Color From Almshouse 'M. Hospital Fremature Birth.	14
Effusion on Brain Enlargement, Liver Fever, Malarial Puerperal Remittent Scarlet Typhoid	. 19	10	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Premature Birth.	144 220 8
Effusion on Brain. Enlargement, Liver Fever, Malarial ' Puerperal ' Remittent ' Scarlet ' Typhoid Fracture of Thigh ' Vertebrs Heart Clot Hemory hage, Bowel	r 1 1 2 19	10 7	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Fremature Birth.	14 20 8
Effusion on Brain Enlargement, Livet Fever, Malarial Puerperal Remittent Scarlet Typhoid Fracture of Thigh Heart Clot Hemor'hage, Bowell Lunga	r 1 1 2 19 18	10 7	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Premature Birth. Males Females	14 220 8
Effusion on Brain Enlargement, Liver Fever, Maiarial ' Puerperal ' Remittent ' Scarlet ' Typhoid Fracture of Thigh ' Vertebra Heart Clot Hemor'hage, Bowel. ' Lungs ' Nose	. 19 . 19 . 19 . 18	10 7	10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Fremature Birth.	14 220 8
Effusion on Brain Enlargement, Livet Fever, Malarial Puerperal Remittent Scarlet Typhoid Fracture of Thigh Vertebrate of Hemor'hage, Bowel Lungs Nose Hooping Cough	19 19 19 19 19 19 19 19 19 19 19 19 19 1	10 7	10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Premature Birth. Males Females	14 220 8
Effusion on Brain Enlargement, Livet Fever, Malarial Puerperal Remittent Scarlet Typhoid Fracture of Thigh Heart Clot Hemor'hage, Bowel Lungs Nose Hooping Cough	19 19 19 19 19 19 19 19 19 19 19 19 19 1	10 7 7 1 3 10 10 10 10 10 10 10 10 10 10 10 10 10	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Premature Birth. Males Females	14 220 8
Effusion on Brain Enlargement, Liver Fever, Malarial ' Puerperal ' Remittent ' Scarlet ' Scarlet ' Typhoid Fracture of Thigh ' Vertebre Heart Clot Hemor'hage, Bowelt ' Nose Hooping Cough Jnflammat'n, Brain ' Bronchi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7 7 10 3 10 2 5	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Fremature Birth. Males Females Total	14 220 8
Effusion on Brain Enlargement, Livet Fever, Malarial Puerperal Remittent Scarlet Typhoid Fracture of Thigh Heart Clot Hemor'hage, Bowell Mose Hooping Cough Jnflammat'n, Brain Kidneys	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7	" 10 to 15		7 11 41 39 25 27 27	People of Color From Almshouse M. Hospital Premature Birth. Males Females	14 220 8
Effusion on Brain Enlargement, Liver Fever, Maiarial "Puerperal "Remittent "Scarlet "Scarlet "Yphoid "Vertebra Fracture of Thigh "Vertebra Heart Clot Hemor'hage, Bowel "Nose Hooping Cough Jnfiammat'n, Brain "Bronchi "Kidneys	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7 10 10 10 10 2 5 1	" 10 to 15		7 11 41 39 25 27 27 17 4	People of Color From Almshouse 'M. Hospital Premature Birth. Males Females Total Still-Born.	144 220 8
Effusion on Brain Enlargement, Livet Fever, Maiarial Puerperal Scarlet Yender of Thigh Vertebrs Heart Clot Hemor'hage, Bowel Nose Hooping Cough Inflammat'n, Brain Kidneys Kidneys Larynx Lungs	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7 10 3 10 2 5 1 1 1 1 2 5	" 10 to 15		7 11 41 41 39 25 27 177 19 4 4	People of Color From Almshouse M. Hospital Premature Birth. Males Females Total Still-Born.	14 20 8 6
Effusion on Brain Enlargement, Livet Fever, Maiarial '' Puerperal '' Remittent '' Scarlet '' Typhoid Fracture of Thigh '' Vertebra Heart Clot Hemor'hage, Bowel. '' Lungs '' Nose Hooping Cough Jnflammat'n, Brain '' Bronchi '' Kidneys '' Larynx '' Larynx '' Larynx '' Pericardium	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7 13 10 2 5 1 1 2 5 2 1	" 10 to 15		7 11 41 39 25 27 17 17	People of Color From Almshouse 'M. Hospital Premature Birth. Males Total Still-Born.	14 200 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Effusion on Brain Enlargement, Livet Fever, Malarial Puerperal Scarlet Yender of Thigh Vertebrs Heart Clot Hemor'hage, Bowel Nose Hooping Cough Jnflammat'n, Brain Kidneys Kidneys Larynx Lungs	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 7 10 3 10 2 5 1 1 2 5	" 10 to 15	2	7 11 41 39 25 27 17 9 4 4 1 17: 9 5	People of Color From Almshouse 'M. Hospital Premature Birth. Males Females Still-Born.	14 200 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

WEEK ENDING SATURDAY, SEPTEMBER 3, 1881.

Month and Day.	R	BAROMETER.	rer.		#	HER	THERMOMETER.	ete)	~:	HR	RELATIVE HUMIDITY	IVE	, E o	DIRECTION OF WIND.	Ä.e.	VE.	VELOC')	, , ,	STATE	STATE OF WEATHER.	THER.	RAIN
1881. AUGUST.	.M.A 70-7	.M.Y 70-8	M.9 70-11	Mean Daily Value.	.M.A 70-7	.M.4 70-8	M. T 70-11	Value.	Maximum.	.M.A 70-7	.M.T 70-8	M.9 70-11	.M.A 70·7	.M.9 70·8	M. 9 70 II	.M.A 70-7	.M. 4 70.8	IM.T WILL	7-07 A. M.	3.07 P. M.	147 A. M. 347 P. M. 1147 P.M.	I i
Sunday, 28 30·20 30·11 30·15 30·15 63 87 72 74·2 87 62	30.50	30-11	30.15	30-15	83	37 7	72 74	<u></u>	_ 	86	3 34	- 84	≱	S W	8	အ	œ	9	Clear	Clear	Clear	ê.
Monday, 29 30-22 30 15 30-23 30 20 70 91 74 78 3 92 68	30.5	30.15	30.33	30.70	3.02	91 7	14 78	.3	- 2 - 2	06	0 42	848	SW.	SW	SW		1 6	9	Clear	Clear	Clear	ŝ
Tuesday, 30	30.5	30-29 30-19 30-22 30-24 73 92 76 80-3 93 70	30.22	30.24	3:82	92.7	92	6.8	37		0 37	· 64	*	SW	SW		5.12	6	Clear	Clear	Clear	9
Wed's'y, 31	30.5	30.22 30.10 30.05 30.12 70.92 76 79.3 93 69	30.02	30.12	20.5	92.7	62 92	<u>ရှာ</u>	3 6	8	4 37	74	8W	×	*	=	1 13	6	Clear	Clear	Clear	9
SEPTEMB'R. Thurs'y, 1	30.08	1 30.03 29.91 29.88 29.94	88.67	29.94	12.8	86.7	71.86 76 77-7 87 70	8	7/7	06	#	7	*	M	M	0 0	8112	<u>.</u> تو	Fair	Fair	Hazy	ê
Friday, 2	29.90	2 29.90 29.85 29.42 29.89	29.62	29.89	74 8	85.7	74 85 72 77.0 86 73	.0.	617	3 76	6 51	26	Z	臼	202	6	00	4	Hazy .	Hazy	Foggy	00.
Saturday, 3	29.96	3 29-96 29-92 30-05 29-98 72 80-69 73-7 82 68	30.02	29.98	322	9.08	39 73	.7 8	. 2	8 84	4 62	2 6	0 0	闰	SE	-	12	· -	Hazy	Hazy	Fair	-01
Means 30.07				30.07			<u> </u>	iè	$+ \div$	<u> </u>						1 :	† :	1 7				[6]

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, SEPTEMBER 10, 1881.

CAUSES	DULTS	MINORS		CAU	SES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	MIN	OI	DF	ATH. •	ADU	KIN	WARD.	
bscess, Lungs	. 1		Intus	susce	ption	. 1		First	
poplexy	. 3		Indige	estio	n		1	Second,	
Asphyxia		1	Jaune	lice .	## free		1	Third	
Bright's Disease	.⊨ 6		Locon	notor	Ataxia			Fourth	l
ancer, Diffused	.; 1		Malfo	rmat	ion		1	FifthSixth	
" Pancreas			Maras	mus	***************************************		33	Sixth	1
500macm			Old A	ge		. 20		Seventh	
Tongue	.' 1	*******	Chstri	ict'n	, Bowels	. 1		Eighth	ł
C tot ub			Paral	VS18	TToo	. 7	1	Ninth	
asualties	6	3	Kneur	matis	sm, Heart	· · · · · · · · · · · · · · · · · · ·	. 1	Tenth	
ongestion, Brain	3		Septic	æmı	a	• •		Eleventh	
Liver	. 3		Some	nng,	Brain		90	Twelfth Thirteenth	
Lungs		0,1	Smail	POX		. 3	20	Fourteenth	,
holera Infantum "Morbus		44	Super	roles	owning	·, Հ	1	Fourteenth Fifteenth	ŀ
irrhosis of Liver		*****	Sunst	lie		. 3		Sixteenth	1
ompression, Brain	i		Teeth	ine			ī	Seventeenth	
onsumpt'n,Lungs.	. 47		Tetan	ns.				Eighteenth	
onvulsions		17	Triem	us.	ascent'n		1	Nineteenth	
roup		1			Bowels	. 1		Twentieth	
yanosis		2						Twenty-first	ĺ
ebility	. 6	: 4	,		•			Twenty-second	•
Diarrhœa Diphtheria	. 4	2	1			209	210	Twenty-third	
iphtheria	. 1					غدت	_	Twenty-fourth	:
ropsy	. 2	1						Twenty-fifth	
· Abdominai	. 1		1					Twenty-sixth	
'' Brain								Twenty-seventh	
" Heart		1					1	Twenty-eighth	
disease of Heart								Twenty-ninth	ŀ
" Lungs							l	Thirtieth	
Sioninaci	2						l	Thirty-first	
orowned	ì		UI t	ne apo	ve there wer	.6:	ì		
ysentery Musion on Brain		. 9	Unde	r 1 cc	ar		108		1
Heart.			From		to 2	•••••	38		
Emphysema		`		2	to 5		29	Nativity, etc.	
rysipelas		1	" "	5 t	0 10				_
atty degeneration	1			10 t	o 15		. 6	·	
of Heart	. 2		4.6		o 20		13	United States	:
'ever, Catarrhal		1			o 30		37	Foreign	
" Scarlet		15			o 40		43	Unknown	
'' Typhoid	12				ი 50		34	People of Color	
racture of Hip	. 1	•			o <u>60</u>			From Almshouse	
langrene					o 70		35	" M. Hospital	
Iemor'hage,Bowels	i į	•••••		70 t	ი 80	•••••			٠ _
" Lungs	. 3		i		o 90 o 100				
44 TT 1-111 1		1		90 (0 100	•••••	2	Premature Birth.	ì
" Umbilical							ł	_ '	
t' Umbilical Iernia, Strangulate	1 1		1				1		-
"Umbilical Iernia, Strangulato Iooping Cough	1	1							•
"Umbilical Jernia, Strangulato Jooping Cough Inflammat'n, Brain	l 1 2	1 15						Males	
"Umbilical Jernia, Strangulate Jooping Cough, nflammat'n, Brain "Bronchi	$egin{array}{ccc} 1 & 1 \ & 2 \ . & 2 \end{array}$	15 2						Females	
" Umbilical Iernia, Strangulate Iooping Cough nflammat'n, Brain " Bronchi " Bladder	$egin{array}{cccc} 1 & 1 & 2 & 2 & 2 & 2 & 3 & 3 & 3 & 3 & 3 & 3$	15 2	1						
'' Umbilical. Iernia, Strangulat. Iooping Cough, nflammat'n, Brain '' Bronchi '' Bladder '' Larynx	1 1 2 2 2 3	15 2 1	1					Females	
" Umbilical. Iernia, Strangulate Iooping Cough, nflammat'n, Brain " Bronchi " Bladder " Larynx " Liver	1 1 2 2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1	15 2 15	1					Females	
" Umbilical. Iernia, Strangulat. Ieonia, Strangulat. Iooping Cough, nfiammat'n, Brain " Bronchi " Bladder " Larynx " Liver " Lungs " Pericardium	1 1 2 2 2 3 3 3 4 4	15 2 15	1					Females Total	
" Umbilical. Hernia, Strangulate Hooping Cough, nflammat'n, Brain " Bronchi " Bladder " Larynx " Liver " Lungs " Pericardium " Peritoneum.	1 1 2 2 3 3	15 2 15 4						Females	
" Umbilical. Hernia, Strangulate Hooping Cough, Bronchi Bladder Liver Luynx Lungs Pericardium Peritoneum. Prostate	1 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 2 1 1 4						Total Still-Born.	
" Umbilical. Hernia, Strangulat. Hooping Cough, nflammat'n, Brain " Bronchi " Bladder " Larynx " Liver " Lungs " Pericardium " Peritoneum. " Prostate " S, & Bowels.	1 1 2 2 3 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 2 1 4	Males				212	FemalesTotal	
" Umbilical. Hernia, Strangulate Hooping Cough, nflammat'n, Brain Bladder Bladder Liver Liver Pericardium Peritoneum. Prostate S. & Bowels. ntemperance	1 1 2 2 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 2 1 4	Males Fema	les			207	Females	
" Umbilical. Hernia, Strangulat. Hooping Cough, nflammat'n, Brain " Bronchi " Bladder " Larynx " Liver " Lungs " Pericardium " Peritoneum. " Prostate " S, & Bowels.	1 1 2 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 15 2 1 4	Males Fema Boys.	les			207	FemalesTotal	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, SEPTEMBER 10, 1881.

RAIN	Ä.	\$	\$	ફ	\$	\$	8	.30	08.
HER.	11.07 P.M.	Fair	Clear	Clear	Fair	Smoky	Hazy	Cloudy	
STATE OF WEATHER.	7-07 A. M. 8-07 P. M. 11-07 P.M.	Cloudy	Fair	Fair	Clear	Hazy	Hazy	Cloudy	
STATE	7.07 A. M.	Cloudy	Hazy	Clear	Clear	Fair	Hazy	Light Rain	
٠ اخ	M.Th.M	5 11 12	20	10	00	6	-	10	<u> </u>
VELOC'Y OF WIND.	.M.T 70.8	=	5 11	8 111	212	1	-	5 17	
VE.	.M.A 70-7	ت	ro.	00	6.1		-	20	<u>:</u>
N. G	м.ч ю.11	8W	SW.	*	*	闰	S W	闰	
DIRECTION OF WIND.	.M.T 70-8	Ø	8M	SW	≱	202	S M	闰	
IQ G	.M.A 70-7	ΩΩ	S W	*	≱	z	SE	SE	
VE	M.9 70-11	8	8	82	61	6	8	26	
RELATIVE HUMIDITY	.M.9 70-8	69	47	49	18	40	67	38	
RELATIVE	.M.A 70-7	8	8	26	82	28	6	97	
===	.muminiM	75	37	27	27	27	2		<u> </u>
ER.	.momixeM	- 92	37	- 8	8	-5	-4.	2 -	ΙĖ
THERMOMETER,	Mean Dally Value.	66 75 68 69.7 76 65	69 85 76 76.7 87 67	73 92 78 81 2 93 72	8.98	81 93 72 82.2 95 72	0.44	74.1	
ER	M.9 70-11	89	1.6	28	₹_	72	75	7	<u>L</u>
T.H.	3.07 P.M.		82	-62	2		_82_		<u> </u>
	.M.A 70.7	<u>\$</u>		-13	-26	<u>.</u>	<u>~</u>		
	Mean Daily Value.	30-12	30•17	30.14	30.09	30.12	30.08	29.99	30.10
BAROMETER.	M.4 70·11	30.16	30.15	30.12	30.06	30.16	30.05	29.98	
BARO	.M.T 70-8	30.10	30.15	30·19 30·11 30·12 30·14	30.11 30.01 30.06 30.09 76 100 84 86.8 101 72	30.12 30.09 30.16 30.12	30-14 30-07 30-05 30-09 73 83 75 77-0 84 70	29.95	30.10
	.M.A 70·7	4 30·10 30·10 30·16 30·12	5 30-20 30-15 30-15 30-17	30.19	30.11			30.04	
Month and Day.	1881. SEPTEMB'R.	Sunday, 4	Monday, 5	Tuesday, 6	Wed's'y, 7	Thursd'y, 8	Friday, 9	Saturday, 10 30.04 29.95 29.98 29.99 74 77 71 74.1 78 71	Means

The surface of the mercury in the cistern of the Barometer is 464 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, SEPTEMBER 17, 1881.

	1 26 1	nô.	1		_		
CAUSES	171	OR	CAUSES	5	OR	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
	1 .1	-					
Abscess of Liver Lumbar			Sore Mouth Suicide, Hanging	<u>2</u>	2	FirstSecond	18 14
Asthma	1 Z	•••••	··· Jump'girom			Third	12
Apoplexy Bright's Disease		•••••	Sunstroke	1 9		Fourth	12 7
Burns and Scalds	1 1	1	Teething		1	Sixth	6
Cancer of Liver	1		Tetanus	. 1		Seventh	9
'' Stomach Casualties		i	Unknown Uræmia	1		Eighth Ninth	9 7 5
Cerebro-SpinalMen-			,	182	163	Tenth	14
ingitis Cholera Infantum		26		_	_	Eleventh Twelfth	7 6
" Morbus	2					Thirteenth	5
Cirrhosis of Liver	. 2	1				Fourteenth	11
Compression, Brain			1			Fifteenth	9 11
Consumpt'n, Lungs	41					Seventeenth	4
Croup		13 2				Eighteenth Nineteenth	13 19
Cyanosis		2				Twentieth	12
Debility	6					Twenty-first	12
Diarrhœa Diphtheria	2	2 5				Twenty-second Twenty-third	. 9 8
Dropsy of Brain		- 2				Twenty-fourth	15
· · Chest	1 1		1			Twenty-fifth	12
'' Heart Disease of Heart			Of the above there were	9:		Twenty-sixth Twenty-seventh	10
Drowned	1 2	1	Under 1 year		81	Twenty-eighth	13
Dysentery Effusion on Brain			F FOIII 1 100 2		38	Twenty-eighth Twenty-ninth Thirtieth	17 9
Fever, Intermittent	1		44 5 to 10	• • • • • • • • • • • • • • • • • • • •	14	Thirty-first	19
'' Malarial		1	" 10 to 15		3		
" Puerperal " Scarlet		3	10 10 20		10 39		
'' Typhoid	14	6	'' 20 to 30 '' 30 to 40,		41		
Hemorrhage, Lungs	1 4		" 40 to 50		28	Nativity, etc.	
" Uterus	1		'' 60 to 70	••••••	27 21		_
Hooping Cough	·····	1	'' 70 to 80		18	United States	264
Hypertrophy, Heart Indam'tion, Brain	1 2	11			4	Foreign	65
Bronchi		1	80 60 100	••••••	*	Unknown	16 21
" Larynx " Lungs		1 1				People of Color From Almshouse	9
" Peritoneum	3					" M. Hospital	8
" Pleura	1	•••••					
" S. & Bowels " Uterus		5		- 1		Premature Birth.	
Intemperance	4			1		Fremature Dirti.	
Inanition Jaundice		10				Males	
Mania-a-potu	i i	•••••				Females	3 2
Marasmus	. 1	36				Total	5
Neuralgia, Heart Old Age	1 0			- 1			
Paralysis	5			!		Still-Born.	
Poisoning, Laud'm	I					DMM-DVIII.	
Septicæmia Scierosis of Spinal	1 1	•••••	Males		173		
Cord			Females			Males	9
Softening of Brain Small-Pox	3	<u>e</u>	BoysGirls		72 91	Females	5 14
	. 2.			1			
	<u></u>	!			!	<u></u>	

METEOROLOGICAL ÖBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, SEPTEMBER 17, 1882.

RAIN	ž	9	9	6	Ş	\$	Ģ	ė	9
THER.	7-07 A. M. 3-07 P. M. 11-07 P.M.	Th'nd'r Storm.	Clear	Clear	Fair	Cloudy	Cloudy	Clear	
STATE OF WEATHER.	307 P. M.	Fair	Fair	Fair	Fair	Cloudy Cloudy	Cloudy Cloudy	- Fair	
STAT	7-07 A. M.	Hazy	Cloudy	Clear	Clear			Cloudy - Fair	
λ á	11-07P.M.	61	-	3 10	6	12 20 13	15 16 12	16 12 7	1:
VELOC'Y OF WIND,	W. 4 70.8	70	12 10		ಣ	ಜ	16	12	1 :
32 7	.M.A 70-7	4		4	6	12	15	16	1 :
, X o	.М.970-11	NW	Z E	Z	Ξ	ESE	ES E	ਬ	
DIRECTION OF WIND.	жа 20-8	∞	Z	×	x	S E	x 3	Ħ	
<u>10</u>	W V 20-2	2 0	E	47 N E	区	E	SES	Ξ	
19	.M.970-11	84	46 N	4	8	93	. 30°	81	1
RELATIVE	.M.¶ 70-8	92	#	35	4	92	32 ,	62	
RE	.K.A 70-7	93	$\overset{\sim}{\Sigma}$	633	35	93	06	93	!
.•	.mnminik	67	99	623	- 2	62	62	61	:
. 2	.mamixaM	98	79	83	98	75	74	73	1 :
THERMOMETER.	Mean Daily Value.	68 77 73 72.0 80 67	67 76 73 72.3 79 66	71.9	61 79 67 69 0 80 60	64 71 69 68-2 75 62	71 73 68 70 8 74 62	65 72 61 66 0 73 61	10.02
ERJ	3.07 P.M.	33	73	69	67	69	89	61	1 :
TH	.M.970-11		2	8	5	Ξ.	_22_	72	<u> </u>
:	.M.A 70.7			3	. 5				•
ſ	Mesn Daily Value.	. e	80-08 30-08	30.10	30.55	30.21	96.0g	30.34	30-17
ETER.	.M.970-11	86-68	30.08	30.14	30.56	30.55	30.32	30.34	
BAROMETER.	.M.9 70-8	96-63	30-0	30.04	80-19	80-18	30.53	30.33	
	.K.A 70-7	30.02 29.96 29.98 3 .00	30-08 80-01	30-11	30.55	30.55	16 30 23 30 23 30 32 30 26	30-36 30-33 30-34	
<u> </u>	= H	11	12	13	4.	,15	16	17	
Month and Day.	1881. SEPTEMBER	Sunday,	Monday, 12	Tuesday, 13 30.11 30.04 30.14 30.10 65 81 69 71.9 83 62	Wed's'y, 14 30-22 30-19 30-26 30-22	Thursd'y,15 30·22 30·18 30·22 30·21	Friday,	Saturday, 17	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, SEPTEMBER 24, 1881.

CAUSES	LTS	ORS.	CAUSES	LTB.	ORS.	DEATHS IN EACH	
OF DEATH	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
Abscess, Brain	i		Mania-a-potu			First	21
" Liver Tonslls			Malformation Marasmus		94	SecondThird	12 14
Aneurism of Aorta.	' 2		Neuralgia of Heart	3		Fourth	4
Asthma	1		Old Age	13		Fifth	5
Apoplexy	4		Paralysis	8		Sixth	4
Bright's Disease	4		Poising, Carb. Acid	•••••	1	Seventh	20
Burns and Scalds Cancer of Breast	, 1		Pyæmia Sciatica	i	1	Eighth Ninth	4 3
"Stomach	3		Scrofula	1	1	Tenth	9
Casualties	6		Septicæmia		ī	Eleventh Twelfth Thirteenth	4
Cerebro-SpinalMen-		,	Small Pox	2	10	Twelfth	6
ingitis	, .	2	Strict., Œsophagus.,		1	Thirteenth	4
Cholera Infantum		18	Suicide, Laudanum.	1		Fourteenth	7
" Morbus Cirrhosis of Liver	1 3	1	Sunstroke Syphilis			Fifteenth	21
Congest'n, Brain	$\frac{3}{2}$	' 4	Tabes, Mesenterica			Seventeenth	4 5
Boweis		í	Teething Trismus Nascenti'm		1	Eighteenth	9
" Lungs		3	Trismus Nascenti'm		1	Nineteenth	23
Consumpt'n, Bowels	1	' I	Tumor of Brain	1		Twentieth	12
Convulsions	42	20	Unknown	1	1	Twenty-first Twenty-second	8 11
" Puerperal	1			169	171	Twenty-third	6
Croup		5	. 1			Twenty-fourth	21
Debility	8					Twenty-fifth	18
Diarrhœa	1	2				Twenty-sixth	16
Diphtheria	8	7				Twenty-seventh.	22 18
Dropsy	9					Twenty-eighth Twenty-ninth	10
" Brain		4				Thirtieth	7
" Heart	1	1				Thirty-first	12
Disease, Brain		1					
"Heart		1	Of the above there were	. !			
"Kidneys,				•		Westerday and	
" Spinal Cord	1		Under 1 year		84	Nativity, etc.	
Drowned			From 1 to 2		36		
Dysentery	1		'' 2 to 5	•••••	27	United States	262
Effusion on Brain Empyema		·	" 10 to 15		12	Foreign	64
Epilepsy	. 2		" 15 to 20		5	Unknown	.14
Erysipelas					-	People of Color	25
Fever, Intermittent			" 30 to 40 " 40 to 50	· • • • • • ;	27	From Almshouse "M. Hospital	11
·· Maiariai	*****		'' 50 to 60	••••••	35	Mr. mospitan	v
" Remittent " Scarlet			" 60 to 70		16 24		
" Typhoid			'' 70 to 80		18		
Heart Clot		1	'' 80 to 90		6		
Hemorrhage, Brain Lungs	1		'' 90 to 100	••••••	5		
Hooping Cough	2	3	" 100 to 110		1	Males	3
Hooping Cough	1					Females	8
Inflammat'n, Brain.	l î	6				Total	6
Hypertrophy, Liver Inflammat'n, Brain. '' Bronchi	ĩ						
" Kidneys	1						
Latyna	1	• • • • • • • • • • • • • • • • • • • •				Still-Born.	
" Liver Lungs	9.	<u>a</u>					
" Peritoneum	2		Males		162		
" S. & Bowels	5	4	Females Boys		178	Males	4
Inanition	1	12	BoysGirls		82	Females	.6
Intussusception		1	GILIS	······i	89	Total	10

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, SEPTEMBER 24, 1881.

Month and Day.		3ARO3	BAROMETER			THE	RMO	THERMOMETER.	3R.	3 E	RELATIVE	RELATIVE		DIRECTION OF WIND,	ION YD.	VE	VELOC'Y OF WIND	×Θ	STAT	STATE OF WEATHER.	THER.	RAIN
1881. SEPTEMB'R.	.M.A 70-7	.M.9 70-8	M.9 70-11	Mean Daily Salae.	.M.A 70-7	.M.4 70-8	M.970-II	Value.	.mrmixeM	.K·A 70-7	.M.9 70-8	IX.4 70-11	.M.A 70·7	.M.T 70-8	M.9 70-11	.M.A 70-7	.M4 70-8	M.4 70·11	7.07 A. M.	3.07 P. M.	7-07 A. M. 3-07 P. M. 11-07 P.M.	, Ki
Sunday, 18	30.31	30.14	30.0	18 30-31 30-14 30-07 30-17	26	. 82	9.02	56 78 70 68 0 81 54			86 35	5 57	NE	স্র	SE	2	4	က	Clear	Fair	Cloudy	ş
Monday, 19 30.00 29.91 29.97 29.96 68 84 75 75.8 86 65	30.00	79-9	1,29-9	7 29.96	88	22	7517	2.8	99	-32 -32		69 01	Z	NE	z		7 12	4	Fair	Fair	Fair	ş
Tuesday, 20 30.03 29.96 29.98 29.98 69 84 71 74.7 84 65	30.03	29.9(329.9	6 29-98	69	84	7117	¥-7 &	¥ 65	99		31 71	Z	N N	*	ာ	2	01	Clear	Clear	Fair	3
Wed'd'y, 21 30.07 30.06 30.14 30.09	30.07	30.08	330.1	4 30.09	33	77.	65 6	65 77 65 69 0 77 64	<u>7</u>	89		49 84	=	=	\mathbf{x}	12	90	က	Hazy	Clear	Fair	3
Thursd'y,22 30-21 30-14 30-17 30-17 63 79 69 70-3 80 61	30.21	30.1	4 30·1	7 30-17	63	62	69.7	3.6.0	30 ⁻ 61		- 36 - 22	58 93	SE	S.	S.		6,14	10	Cloudy	Cloudy	Fair	ş
Friday, 23	30.14	0.0g	3 30.0	23 30-14-30-03 30-09-30-09 71.83 70.74-7 85 66	12	88	70.7	4.7	35/66		94	45 84	×	.≱	*	12	- 23 - 23 - 23	က	Cloudy	3 Cloudy Cloudy	Cloudy	Ŝ
Saturday, 24 30-11 30-06 30-10 30-09	30.11	30.0	6 30.1	60.08		84	75 7	69'87 75 77.0 88 67	98.6		11 86	45 71	*	S.	NS .		7 14	жō	Fair	Clear	Clear	\$
Means 30.08				30.08		T : :	<u>:</u>	72.8	:.	:	- -					1 :]	Ī				39

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea, Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, OCTOBER 1, 1881.

CAUSES	NDULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH
OF DEATH.	ADL.	MIN	OF DEATH,	ADU	MIN	WARD.
bscess, Pelvic			Marasmus		26	First
poplexy	3.	1	Old Age	16		Second
right's Disease	. 7.		Paralysis	51		Third
Burns and Scalds	1;.		Pur. Hemorrhagica. Pyæmia Rheumatism	1		Fourth
ancer of Breast	1		Pyæmia	1		Fifth
'' Face	. ļ.	1	Rheumatism	1	1	Sixth
" Uterus	: 3.		Scrofula		1	Seventh
asualties		2	Septicæmia	11	1	Seventh Eighth
erebro-SpinalMen.		1	Septicæmia Softening, Brain	4		Ninth
holera Infantum		23	·· Stomacn	11		Tenth
" Morbus	2	••••••	Small Pox	1	10	Eleventh
irrhosis of Liver	. !	•••••	Suicide, Cut'gThroat	1		Twelfth Thirteenth
ompression, Brain.	. 1	1'	" Hanging	1	•••••	Thirteenth
ongestion, Brain	. !	9	Sunstroke	. 1		Fourteenth
··· Lungs		1.	Teething	ا يا ا	1	Fifteenth
" Spine		•••••	Tetanus Trismus Nascent'm	1.	•••••	Sixteenth
onsumpt'n, Lungs onvulsions	. 53	6	Trismus Nascent'm	••••••	i,	Seventeenth
onvulsions		18	Tumor of Abdomen	1		Eighteenth
ramps		,1	Uræmia	1'		Nineteenth
roup			Wounds, Gunshot	•••••		Twentieth
yanosis	2	6.		205		Twenty-first
ebility	. 3	71		205	199	Twenty-second
)iabetes		s		•		Twenty-third
darrhœa	. 5					Twenty-fourth
)iphtheria	. 1			,	•	Twenty-fifth
Propsy	. Z	•••••				Twenty-sixth
Brain		•••••				Twenty-seventh
						Twenty-eighth
Disease, Brain '' Heart	1 4	•••••				Twenty-ninth
" Heart	. 15		•			Thirtieth
opino		I.				Thirty-first
Orowned		1				
Dysentery Effusion on Brain		2	04 41- 41 41			i
Embolism of Brain.			Of the above there were	٠,		
Enlargm't, Stomach	: :	••••	IIndon I woon		99	Nativity, etc.
			Under l year	• • • • • • •	32	
Epilepsy Erysipelas		ĩ;	From 1 to 2	• • • • • • • • • • • • • • • • • • • •		
Potty deg of Heart		1,	'' 5 to 10			United States
Catty degeneration						Foreign
atty deg. of Heart. atty degeneration of Liver	`. ı		'' 15 to 20			Unknown
ever, Malarial		i	'' 20 to 30	•••••		People of Color
"Puerperal			' 30 to 40			From Almshouse
" Rheumatic			" 40 to 50	• • • • • • • • • • • • • • • • • • • •		" M. Hospital
" Scarlet		7	'' 50 to 60			
			(31) 1(1) (30)			
" Typhoid	181		11 70 to 20			Premature Birth.
" Typhoid	18	,				
'' Typhoid Iemo'rhage,Bowels	š	1	70 10 00		15	
'' Typhoid Iemo'rhage,Bowels Iernia Iooning Cough	. 1		'' 80 to 90		15 1	
'' Typhoid Iemo'rhage,Bowels Iernia Iooning Cough	. 1		" 80 to 90			
'' Typhoid Iemo'rhage,Bowels Iernia Iooning Cough	. 1	3 1	'' 80 to 90			Males
"Typhoid! temo'rhage, Bowels ternia tooping Cough, typertrophy, Hearin flammat'n, Brain Bronchi,	1 1	3 1 9	'' 80 to 90			MalesFemales
"Typhoid Iemo'rhage, Bowels Iernia Iooping Cough, Iypertrophy, Heart nflammat'n, Brain. "Bronchi "Kidneys,	t 1	3 1 9 3	'' 80 to 90			Males
"Typhoid Hemo'rhage, Bowels Hernia Hooping Cough Lypertrophy, Hearl nflammat'n, Brain. "Bronchi "Kidneys "Larvnx	t 1 1 2	3 1 9 3	'' 80 to 90			MalesFemales
"Typhoid Hemo'rhage, Bowels Hernia	t 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 9 3	'' 80 to 90			MalesFemales
"Typhoid Hemo'rhage, Bowels Hernia	t 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 9 3	'' 80 to 90			MalesFemalesTotal
"Typhoid Hemo'rhage, Bowels Hernia Hooping Cough, Hypertrophy, Hear' nflammat'n, Brain. "Brouchi "Kidneys, "Larynx "Lungs "Periton eum. "Pharynx	t 1 1 2 2 1 1 3 3 3	3 1 9 3 5 1	'' 80 to 90			MalesFemales
"Typhoid	t 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 9 3 5 1 1	' 90 to 90' ' 90 to 100	•••••	1	MalesFemalesTotal
"Typhoid Hemo'rhage, Bowels Hernia	t 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 9 3 5 1 1	'' 80 to 90	•••••	1	MalesFemalesTotal
"Typhoid	t 1 1 2 1 3 3 3	3 1 9 3 5 1 1	" 90 to 90		199 205	Males
"Typhoid	t 1 1 2 1 3 3 3	3 1 9 3 5 1 1 8	' 80 to 90' ' 90 to 100		199 205	Males Total Still-Born. Males Females

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, OCTOBER 1, 1881.

	RAIN	l ii	9	ş	9	ş	ģ	ê.	99		ş
	HER.	11-07 P.M.	Clear	Clear	Fair	Fair	Foggy	Fair	Clear		
	STATE OF WEATHER.	7-07 A. M. 8-07 P. M. II-07 P.M.	Clear	Clear	Cloudy	Cloudy	Cloudy	Clear	Fair		
	STAT	7-07 A. M.	Clear	Clear	Foggy	Cloudy	Fair	Cloudy	7 Cloudy		
ĺ	Z A	M.g 70-11	12	6	18 13	20	00	ဗ	ı~ ···		
	VELOC'Y OF WIND	M.4 70-8	12 16 12	00	<u>∞</u>	10	10 12	7 22	8 11	T	:
	O. V.E.	.M.A 70-7	12	6	9	11	10	-	∞		-
	N. G	M.9 70-11	8	SW	*	NE	闰	SW	8		
TEN MINING DATOMAN, OCTOBER 1, 1001.	DIRECTION OF WIND.	.M.9 70-8	≱	S	*	8	SE	8	8		
	<u>a</u> o	.M.A 70-7	8 M	*	×	*	闰	20	*		
	VE	M.4 70·11	76	92	69	74	67 100	92	92	Π	Ī
	RELATIVE HUMIDITY	.M. 4 70·8	1	35	49	49	67	33	44	<u> </u>	
2 1	KEI	.M.A 70-7	82	94	8	83	93	26	36	İ	
		.muminiM	7	69	69	7	88	69	5	<u>:</u> 	=
	EK.	.mumineM	88	35	89	68	85 68	88	87	1	•
	тнекмометек.	Mean Daily .e.laV	7.8.1	71 91 76 79-3 92 69	79.3	2.62	73.7	78.3	73 86 75 78 2 87 70		78-1
	ERN	.M.9 70-11		126	378		<u> </u>	7.7	-32	-	
:	TH	.M.A 70.7 .M. 4 70.8	<u> </u>	1 9	<u>22</u>		-8(- 2 -	<u>8</u>	Ļ	_:_
				3				~		<u>!</u> _	
		Mean Daily Value.	30.0	30.0	30.08	30.0	30.5	30.5	-87 -87 -87		30.1
	ETER	м.ч 70-11	30.02	30.06	30.07	30.03	30.30	30-30	30-32 30-29	!	
	BAROMETER.	.M. 4 70.8	30-03	30.02	30.02	30.02	30-23	30.23	30.23	:	
		.M.A 70·7	30.14	30-10 30-02 30-06 30-06	30-10 30-02 30 07 30 05 72 88 78 79 3 89 69	30.06 30.02 30.03 30.07 74 87 79 79 89 71	30-25 30-23 30-30 30-26 71 80 70 73-7	30.32 30.23 30.30 30.28 74 87 74 78.3 88 69	30.31		
	3y.	ER	23	56		88	81	2		1	<u> </u>
1	Month and Day.	1881. SEPTEMBER	Sunday, 25 30-14 30-03 30-05 30-07 73 87 76 78-7 88 71	Monday, 26	Tuesday, 27	Wed'd'y, 28	Thursd'y,29	Friday,	Saturday,		Means 30.15

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, OCTOBER 8, 1881.

	ADULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADI	M	OF DEATH.	ADI	MIN	WARD,	_
Abscess, Stomach	1	 .	Murder	1		First	1
Aneurism of Aorta.	1	•••••	Old Age	11		Second	1
Apoplexy	a		CONSTRUCTO, BOWEIR'	1		Third	
Bright's Disease	8		Paralysis	3		Fourth	1
Cancer, Breast	2		Pois'ng, Belladona			FifthSixth	;
" Liver	1		Laudanum Pyæmia	1	•••••	Seventh	2
" Stomach	2		Septicæmia			Eighth	- 2
" Throat		ï	Softening of Brain	4		Ninth	
" Uterus	3		Small Pox	ī	6	Tenth	
Casualties	9	2	Sore Mouth		ĭ	Eleventh	
Cholera Infantum		16	Suicide, Arsenic	1		Twelfth	
Congestion, Brain	5	1	" Hanging	1		Thirteenth	:
Bowelh	J • • • • • • • • • • • • • • • • • • •	2	Tetanus			Fourteenth	- (
Lungs		_ z	Tumor, Ovarian	1		Fifteenth	
Consumpt'n, Bowels'	1	2	" Parotid Gl'd	1		Sixteenth	
"Lungs Convulsions	52 1	9		197	150	Seventeenth	1
" Puerperal			1	101	100	Nineteenth	2
Cramps		1		_		Twentieth	2
Pron n		7				Twenty-first	-
Cyanosis Debility		2		- 1		Twenty-second	1
Debility	4	8				Twenty-third	
Diabetes	1			- 1		Twenty-fourth	1
Diarrhœa		.3				Twenty-fifth	1
Diphtheria		13				Twenty-sixth	1
Dropsy	1 1	•••••				Twenty-seventh	2 1'
" Abdominal Chest						Twenty-eighth Twenty-ninth	1
"Heart						Thirtieth	1
Disease of Heart	6	ī		1		Thirty-first	1
Drowned			Of the above there were	:	'		_
Dysentery	3						
Empyema	1		Under l year		69		
Fatty degeneration of Heart	1		From 1 to 2		25	Nativity, etc.	
of Heart	i	3	" 2 to 5 5 to 10		26		
Fever, Malarial			" 10 to 15		19 3		
" Puerperal Remittent		i	" 15 to 20		8	United States	25
" Scarlet		4	" 20 to 30		40	Foreign	8
	16				42	Unknown	1
"Typhoid	16		" 40 to 50			Unknown People of Color	1:
" Typhoid Gangrene Heart Clot	16 2 1	8	' 40 to 50 ' 50 to 60				1:
"Typhoid Gangrene Heart Clot Hemorrhage, Lungs	16 2 1 1		' 40 to 50 ' 50 to 60 ' 60 to 70		34 25 23	People of Color From Almshouse 'M. Hospital	1:
"Typhoid Gangrene Heart Clot Hemorrhage, Lungs "Stomach	16 2 1 1 1		" 40 to 50 " 50 to 60 " 60 to 70 " 70 to 80		34 25 23 18		1:
"Typhold Gangrene	16 2 1 1 1 2		" 40 to 50 " 50 to 60 " 60 to 70 " 70 to 80		34 25 23		1:
" Typhoid Gangrene	16 2 1 1 1 2	8	40 to 50		34 25 23 18		1:
" Typhoid	16 2 1 1 2 2 1 1	8 1	44 to 50		34 25 23 18	From Almshouse '' M. Hospital	1:
" Typhoid	16 2 1 1 1 2 2 1 1 1 2 2	8 1	44 to 50		34 25 23 18	From Almshouse '' M. Hospital	1:
" Typhoid	16 2 1 1 1 2 2 1 1 2 1	8 1	44 to 50		34 25 23 18	From Almshouse '' M. Hospital	12
" Typhoid	16 2 1 1 1 2 2 11 2 11 3	8 1 1	44 to 50		34 25 23 18	People of Color From Almshouse 'M. Hospital Premature Birth.	1:
" Typhoid	16 2 1 1 1 2 2 11 2 11 3	8 1 1 4	44 to 50		34 25 23 18	People of Color From Almshouse 'M. Hospital Premature Birth. Males	1:
"Typhoid	16 2 1 1 1 2 2 1 1 2 11 3	8 1 1	44 to 50		34 25 23 18	People of Color From Almshouse M. Hospital Premature Birth. Males Females	1:
" Typhoid	16 2 1 1 1 2 2 1 1 2 11 3 3	8 1 1 4	44 to 50		34 25 23 18	People of Color From Almshouse M. Hospital Premature Birth. Males Females	1:
" Typhoid	16 2 1 1 2 2 1 1 2 11 3 3	8 1 1 2 3 1	44 to 50		34 25 23 18	People of Color From Almshouse M. Hospital Premature Birth. Males Females	1.
" Typhoid Sangrene	16 2 1 1 1 2 2 1 1 2 11 3 3	8 1 1 4	44 to 50		34 25 23 18	People of Color From Almshouse M. Hospital Premature Birth. Males Females Total	1.
" Typhoid Gangrene	16 2 1 1 2 2 1 1 2 11 3 3	8 1 1 2 3 1	4 40 to 50		34 25 23 18 9	People of Color From Almshouse M. Hospital Premature Birth. Males Females Total	1:
" Typhoid Sangrene	16 1 1 1 2 2 1 1 2 1 3 3	8 1 1 4 4 3 1 10	" 40 to 50		34 25 23 18 9	People of Color From Almshouse M. Hospital Premature Birth. Males Females Total	1:
" Typhoid Gangrene	16 2 1 1 2 2 1 1 2 1 3 3 2	8 1 1 1 10	4 40 to 50		34 25 23 18 9	People of Color From Almshouse M. Hospital Premature Birth. Mules Females Total Stil-Born.	12 13 14 14 14 14 14 14 14 14 14 14 14 14 14

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, OCTOBER 8, 1881.

RAIN	IN.	8	.05	.17	ė	3	\$	\$	-19
HER.	11-07 P.M.	Cloudy	Clear	Light Rain	Clear	Clear	Fair	Fair	
STATE OF WEATHER.	· or A. M. 3 or P. M. 11 or P.M.	4 Cloudy Cloudy Cloudy	Cloudy	Fair	Clear	Clear	Cloudy	Fair	
STAT	7.07 A. M.	Cloudy	Light Rain	Fair	Clear	Clear	8 Cloudy Cloudy	Fair	
ND ND	M.9 70.11			23	9	∞		~	
VELOC'Y OF WIND	.M.9 70-8	12 19	9 15	4 14 25	24 20:10	4 10	6 15	5 16	<u> : </u>
VE	.M.A 70-7			4	ਕ	4	3		<u>l :</u>
D.	м.ч 10-11	Ħ	M N	Z	Z	×	M	M	
DIRECTION OF WIND.	.M.ª 70·8	Ħ	M	NW	××	*	8	*	
100	.M.A 70·7	घ	8	≽	z	≱	S W	≽	
VE	M.970-11	8	82	49	37	22	8	63	<u> </u>
RELATIVE	.M.4 70-8	92	67	58	19	21	31	36	
REI	.M.A 70-7	42	97	6	4	22	8	87	
	Minimum.	99	88	45	37	39	8	92	1 :
ER.	.momixaM	-82	8	20	99	19	7	81	<u>:</u> :
THERMOMETER.	Mean Daily Value.	70 73 70 71 -3 78 66	72 80 74 75 3 81 68	69 78 55 67 5 79 54	40 49 44 44 3 56 37	42 61 51 51 3 61 39	53 70 61 61 3 71 48	59 81 67 69 0 81 56	65.9
R.W.	M.9 70-11	_ <u>5</u>	47	55	<u>4</u>	-15	- 6	67	
H	3.07 P.M.	73	80	138	49	9	2	81	
	.M.A 70-7		73		40		53	59	<u> </u>
	Mean Daily Value.	30•35	80.08	26-62	30.33	30.42			30.23
ETER.	м.ч тол	30.29	30-04	30.04	30-43	30.37	30.33	30.02	30.23
RAROMETER.	.M.ª 70-8	30.37	30-05	29.77	30.58	30.36	30.32	30.11	
	.K.A 70-7	2 30.40 30.37 30.29 30.35	30-18 30-05 30-04 30-09	4 29.93 29.77 30.04 29.92	5 30.27 30.28 30.43 30.33	30.52	7 30 42 30 32 30 33 30 36	30-29 30-11 30-05 30-15	
	i . Ī	Ø.	က	4	ro_	9	~	00	
Month and Day.	1881. OCTOBER.	Sunday,	Monday,	Tuesday,	Wed's'y,	Thursd'y, 6 30.52 30.36 30.37 30.42	Friday,	Saturday,	Меапв

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, OCTOBER 15, 1881.

CAUSES OF DEATH.	ADULTS.	MINORS.	CAUSES OF DEATH.	ADULTS	MINORS	DEATHS IN EACH WARD.	
Abscess of Brain	1 4 7 6 1 1 2 4	5 4 2 9	Pysemia. Rheumatism, Heart Softening of Brain. Small Pox. Sore Throat. Suicide, Hanging. Syphilis. Tabes Mesenterica. Teething Tumor of Neck	1 1 1	1 6 1 1 1 152	First	19 22 10 9 5 5 11 6 4 4 2 2 5 5 2 5 5 2 5 2 5 2 5 7 5 7 5 7 5 7
Congestion of Brain Liver Lungs Consumpt'n, Lungs Convulsions Croup Cyanosis Debility Diarrhœa Diphtheria Diphtheria Dropsy ' of Heart ' Lungs Disease of Brain ' Hip Effusion on Brain Enlargement, Heart '' Prostate Epilepsy	4 1 2 49	1 7 10 8 8 1 11 11 	Of the above there were Under I year From 1 to 2 2 to 5 5 to 10	******	60 26 20 26	Fourteenth. Fifteenth. Sixteenth. Sixteenth. Seventeenth. Eighteenth. Nineteenth. Twenty-first. Twenty-first. Twenty-fourth. Twenty-fourth. Twenty-fifth. Twenty-sixth. Twenty-seventh. Twenty-seventh. Twenty-eighth. Twenty-nith.	111 77 18 10 18 15 3 12 14 19
Fatty Degeneration of Heart Fever, Intermittent "Malarial	1	1 4	" 10 to 15 " 15 to 20 " 20 to 30 " 30 to 40		5 15 35 34	Nativity, etc.	
" Remittent " Scarlet " Typhoid " Typhus cere- bralis Heart Clot Hemorrhage, Lungs	1 14	7 5 1	11 40 to 50		33 23 28 24	Foreign	242 84 18 16 11 4
Hooping Cough Hydrophobia Inflammat'n, Brain	 1	2 8				Premature Birth.	Ī
" Bronchi " Kidneys " Lungs " Peritoneum " Pleura " S. & Bowels	1 7 2 	3 4 1 7				MalesFemales	2002
" Spine	1 1	10 21				Still-Born.	
Old Age Obstruction, Bowels Paralysis Pelvic Cellulitis	14 1 7 1		Males			MalesFemales	8 6 14

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DUBING THE WEEK ENDING SATURDAY, OCTOBER 15, 1881.

RAIN	Z.		÷	Ŝ	.52	<u>.</u>	8	9	.59
	<u> </u>	Clear	Clear	Clear	Cloudy	Fair	Cloudy	Clear	
WEATHER.	11-07		<u>ರ</u>	<u>ರ</u>	_පී .	<u> </u>	<u>င်</u>	<u> </u>	
r WEA	M. 8-07 P. M. 11-07 P.M	Light Rain	Fair	Clear	Light Rain	Cloudy	Clear	Clear	
STATE OF	1.3-07		_	-0					:
STA.	7-07 A. M	Light Rain	Clear	Clear	Cloudy	Cloudy	Clear	Cloudy	
٠,	M.9 70-11	12	19	7	1	4 10	4	12	1 :
VELOC'Y WIND.	.M. 4 70-8	6 12 12	23	23	2 10		14 10	9 16	<u> </u>
N N	.M.A 70-7	9	10	13	6 3	ಣ	14	<u> </u>	<u>l :</u>
D.	м.ч 70-11	MN	NE	202	8M	z	SE	S.	
DIRECTION OF WIND.	3.07 P. M.	Z	Z	x	8	8	田	S S	
<u>ц</u> о	.M.A 70-7	8	N Z	ZE	SW	*	NE	x	
IVE	M.9 70-11	93	45	89	8	82	80	2	
RELATIVE HUMIDITY	.M.T 70-8	78	36	4	93	7	34	55	:
RE	.M .A 70-7	8	98	5	77	87	25	8	1 :
	.maminik	73 55	#	98 09	4	22	49	20	1 :
TER.	.mrmizeM		88	8	61	22	63	_73	
THERMOMETER,	Mean Daily Value.	56 61.0	56 65 45 55.3	39 60 46 48.3	58 54.7	73 62 64.7	52 53.3 63	65 64-9 73	57.5
B.R.M	M.9 70·11	56	45	46	28	62	52	- 65	1 :
THI	.M. 4 70.8	66 61	36	<u>8</u>	49 57		50 58	57 73	<u>l :</u>
	.M.A 70·7					59			<u> </u>
	Mean Daily Value.	30-05	30.52	30.55	30-31	30.15	30.35	30.21	30.27
BAROMETER.	м.ч ю.п	30-08	30-44	30.53	30.55	30-14	30.35	30.21	
BARO!	.M. 9 70 8	30-03 30-04 30-06	30-17	30.53	30-28	30-22 30-07 30-14 30-15	30.36 30.34 30.35 30.35	30.17	
	.M.A 70'7		10 30 12 30 17 30 44 30 25	30.59	30-43		30.36	30.29	
Month and Day.	1861. OCTOBER.	Sunday, 9	Monday, 10	Tuesday, 11 30.59 30.53 30.53 30.55	Wed'd'y, 12, 30-43 30-28 30-22 30-31	Th'rsday,13	Friday, 14	Saturday, 15 30-29 30 17 30-21 30-21	Means

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, OCTOBER 22, 1861.

CAUSES	É	RS.	CAUSES	LTS	ORS	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	OF DEATH.	ADULTS	MINORS	WARD.	
Anæmia	1	, .	Small Pox	3		First	2
Alcoholism	3		Sore Mouth			Second	12
Apoplexy	9	1	Suffocation		1	ThirdFourth	18
Bright's Disease Burns and Scalds	í		Ulceration,Stomach			Fifth	2
Cancer of Breast			Ciceration, stomach	i		Sixth	í
'' Bladder				195	146	Seventh	18
" Liver				-		Eighth	9
S. & Bowels						Ninth	Ş
U terus	' 3 7	3		[Tenth	5
Casualties Cerebro-SpinalMen-	•	. 9				EleventhTwelfth	ģ
ingitis		1				Thirteenth	į
Chlorosis						Fourteenth	į
Cholera Infantum		9				Fifteenth	11
" Morbus						Sixteenth	18
Cirrhosis of Liver	1	٠				Seventeenth	15
Congestion, Brain Lungs	2	$\frac{3}{2}$				Eighteenth	20 17
Consumpt'n, Lungs.	49					Twentleth	18
Convulsions	, i	9		- 1		Twenty-first	16
" Puerperal	1		i	- 1		Twenty-second	ç
Oroup		6		- 1		Twenty-third	4
Uvanosis		2				Twenty-fourth	18
Debility		4	Of the above there were):		Twenty-fifth	10
Diarrhœa Diphtheria	1		Under l year		00	Twenty-sixth	14 26
Droney	2				97	Twenty-seventh Twenty-eighth	14
Dropsy	3		" 2 to 5		20	Twenty-ninth	
Disease of Brain '' Heart	í		" 5 to 10		16	Thirtieth	11
" " Heart	8	1	. '' 10 to 15		- 6	Thirty-first	12
" Liver	1		'' 15 to 20				
_ Lunga		2	20 10 00		41		
Dysentery Effusion on Brain	2	2	00 00 10		28 29	'	
Enlargement, Liver					27	Nativity, etc.	
Epilepsy			"60 to 70		29		
Exposure			'' 70 to 80		20		
Fever, Malarial	4	2				United States	
"Remittent		1 5	" 90 to 100		2	Foreign Unknown	72 16
" Typhoid		5		l		People of Color	18
Hemorrhage, Lungs	2			!		From Almshouse	- 6
Hooping Cough,		2				" M. Hospital	i
Hypertrophy, Heart Inflammat'n, Brain.	1					1	
Inflammat'n, Brain,	2	10		1			
44 Dunmahi	. 3	5	i	1			
Broneni						.	
" Bladder	: 1	•••••		ì		Prometted River	
" Bladder" " Kidneys" " Lungs	1	5				Premature Birth.	
" Bladder" " Kidneys" " Lungs" " Pericardium	1 1 5	5	•				
" Bladder" " Kidneys" " Lungs" " Pericardium " Peritoneum	1 5 1 2					Males	ŧ
"Bladder" "Kidneys" "Lungs" "Pericardium "Peritoneum" "S, & Bowels"	1 1 5 1 2 2					Males	
" Bladder " Kidneys " Lungs " Pericardium " Peritoneum " S. & Bowels	1 1 5 1 2 2	 3				Males	ŧ
" Bronen" " Bladder" " Kidneys" " Lungs" " Perleardium " Peritoneum" " S. & Bowels Insanity	1 5 1 2 2 1	3 9	·			Males	ŧ
"Bronen" "Bladder" "Kidneys" "Lungs" "Pericardium "Peritoneum" S& Bowels Insanity	1 1 5 1 2 2 1 1	3 9	·			Males	ŧ
'' Biadder '' Kidneys '' Lungs '' Pericardium '' Peritoneum 'S. & Bowels Insanity Insultion Jaundice Malformation	1 1 5 1 2 2 1 1	3 9 2	·			Males	ŧ
"Bronen" "Bladder" "Kidneys" "Perleardium "Peritoneum" S. & Bowels "Insanity	1 1 5 1 2 2 1 1 	3 9 2 1 20	Males		187	MalesFemalesTotal	ŧ
" Bronen" " Bladder" " Kidneys" " Lungs" " Perleardium " Perloneum " S. & Bowels Insnition Jaundice Malformation Marasmus	1 5 5 1 2 2 1 1 	3 9 2 1 20	MalesFemales		154	Males Females Total Still-Born.	10
"Bronen" "Bladder" "Kidneys" "Perleardium "Peritoneum" S. & Bowels "Insanity	1 1 5 1 2 2 1 1 18 10	3 9 2 1 20	Males		154	MalesFemalesTotal	ŧ

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, OCTOBER 22, 1881.

BAIN	IN.	ફ	\$	9			\$	÷	98.
HER.	11.07 P.M.	Fair	Clear	Fair	Cloudy	Clear	Clear	Clear	
STATE OF WEATHER.	7:07 A. M. 8:07 P. M. 11:07 P.M	Cloudy	Fair	Cloudy	Cloudy. Cloudy	Cloudy	Clear	Clear	
STAT	7.07 A. M.	Clear	Cloudy	Fair	Clear	Cloudy	Foggy	Foggy	
₽₽	M.9 70·11	90	10	12	9	-	9	6] :
VELOC'Y OF WIND	.M.T 70-8	ಣ	1 12 10	6 10 12	- oo	9	4	ο̈́	<u> </u>
O F	M.A 70-7	ີ່ເລົ	=	9	17	6	-	ro	1 :
z.	M.97 70-11	표	8W	Z	SE	SE	SW	*	
DIRECTION OF WIND.	.M.T 70-8	8	8 W	N N	Ħ	NE	≱	*	
ā°	.M.A 70·7	≥	至	≯	NE	X	Z	≯	
14	м.ч тол	28	8	64	59	2	7	7	
ATI	.M.9 70-8	57	- 64	85	40	8	33	3	
RELATIVE	.M.A 70-7	93	15	93	63	64	98	98	
====	.mrminiM	<u> </u>	∞	9	92	- 2	12	14	 -
نيو	.mrmixsM	85 62	- 22	31	58 46	-33	}	69 47	十主
THERMOMETER.	Mean Daily Value.	64 83 66 71.0	59 82 70 70 3 82 58	68 73 57 66.0 81 56	47 56 52 51 . 7	58 56 3 63 47	53 65 54 57.3 66 47	50 68 55 57.7	61.6
W AS	M.T 70-11		- 22	<u></u>	3.52	33.	Ι <u>φ</u> .	− <u>₹</u>	ļ- : !
HE	.M.4 70-8	‰_	8	-82	75	50:61	_ _		†:
	.M.A 70-7								=
	Mean Daily Land.	30.25	30.17	36.65	30.23	30 15	3 30.3]	3 30-24	30.19
BAROMETER.	M.¶ 70·11	30.32	30.05	30.08	30.21	30.50	30.35	30.56	
BARO	.K.9 70-8	30-21	30.15	29-95 29-83 30-08 29-95	30.24 30.23 30.21	30.08	30.30 30.30 30.33 30.31	30.55	
	.M.A 70∙7	16 30-22 30-21 30-32 30-25	30.30	29.62	30.24	30.16		30.36	
<u> </u>	ير		17	18	19	8	2	22	;
Month and Day.	1881. OCTOBER.	Sunday,	Monday, 17 30-30 30-15 30-05 30-17	Tuesday, 18	Wed'd'y, 19	Thursd'y,20 30 16 30 09 30 20 30 15	Friday,	Saturday, 22 30.36 30.25 30.26 30.29	Means

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, OCTOBER 29, 1881.

CAUSES	ADULTS	MINORS	CAUSES	ADULTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADU	KIN	OF DEATH.	ADC	MIN	WARD.	
bscesses	<u> </u>	1	Purpura Hemorrha			First	
bscess, Ovarian	1		gica Pyæmia Rheumatism	·		Second	
lcoholism	3		Pyæmia	. 2		Third	
sthma	1 1	•••••				Fourth	
poplexy						Fifth	
right's Disease	9	1	Scroiula		1	Sixth Seventh	
urns and Scalds			Scrofula Septicæmia Softening of Brain. Small Pox	2	•	Eighth	
ancer, Ovaries Stomach	. 5		Small Pox	2	4	Ninth	
aries of Spine	1 1		Sore Mouth			Tenth	
asualties	4		Suffocation		Ī	Eleventh	
erebro-Spinal Men-	1		Suicide, Cutting	1	i	Twalfth	
ingitis		' 1	Throat	. 1		Thirteenth	
holera Infantum		ŝ	Throat.	į 1	, 1	Fourteenth	
irrhosis of Liver	3		Tumor of Brain	. 1	· • • • • • •	Fifteenth	
ongestion, Brain	2	•••••	Ulceration, Bowels	. 1 2	l	Sixteenth	
" Lungs						Seventeenth	
onsumpt'n, Lungs.	54	.6	Uræmia Wounds, Gunshot	. 2		Eighteenth	
onvulsions	1	17	wounds, Gunshot	. 1		Nineteenth	
roup	·····	- 6		201	140	Twentieth Twenty-first Twenty-second	
yanosis		1	I .	-	-	Twenty-nrst	
ebility	3	2			1	Twenty-second	
Diarrhœa Diphtheria	1	14	•			Twenty-third Twenty-fourth	
ropsy	3				į	Twenty-lourin	
Brain	3	2				Twenty-fifth Twenty-sixth	
" Heart			•			Twenty-seventh	
Disease of Brain	ī				1	Twenty-eighth	
Heart	13	1	,		1	Twenty-ninth	
" Liver			Of the above there we	ra ·	1	Thirtieth	
" Lungs						Thirty-first	
orowned	1 1		Under 1 year		53		
)ysentery	2		From 1 to 2		. 30		-
effusion on Brain	1 1		2 to 5		. ZZ		
Inlargement, Heart	1		· '' 5 to 10	•••••			
ratty degeneration of the Heart ever, Malarial 'Scarlet				•••••	3	Nativity, etc.	
or the Heart	3		' 15 to 20	••,••••	11	TT-14-3 C4-4	-
44 Seemlet	1	10		•••••	. 45	United States	
"Typhoid	19	4		•••••	36	Foreign	
angrene of Foot	1 1		'' 50 to 60	•••••	-10	Unknown People of Color	
leart Clot	1 1		. ' 60 to 70	•••••		From Almshouse	
lemorrhage, Lungs	l î		' 70 to 80	•••••	23		
Inoning Cough	1		" 80 to 90.,		14		
nflammat'n Brain.		7	00 00 00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		l î		_
" Bronchi	1 1	2	ı		ĺ		i
"Kidneys	2	1					ı
' Larynx		1			1		
Lungs	7	5				Premature Birth.	
rencaranam			1		1	1.5 1	<u> — </u>
remoneum					1	Males	
D. O. DUWEIS	6				1	Females	ļ
"Tonsils Trachea		1			1	Total	
" Uterns					1		
nanition					1		-
aundice		2			1		
Iarasmus					1	Still-Born.	
leuralgia, Heart	1 1		Males		179		i_
old Age	1 13		Females		162	Males	
Obstruction, Bowels	ĩ		BoysGirls		72		
aralysis			~		68		1

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, OCTOBER 29, 1881.

Month and Day. BAROMETER. TH					TH	Œ	1	RMO	THERMOMETER.	Ŗį.	## 	RELATIVE HUMIDITY	RELATIVE HUMIDITY	A •	DIRECTION OF WIND.	ON D	VEI	VELOC'Y OF WIND	A A	STAT	STATE OF WEATHER.	THER.	RAIN
.M.A 70-7 .M.A 70-7 .M.A 70-8 .M.A 70-11 .M.A 70-11 .M.A 70-7 .M.A 70-7 .M.A 70-11 .M.A 70-11 .M.A 70-11 .M.A 70-11 .M.A 70-11	M. 9 70-8 M. 9 70-11 VIEG neew Contey Context Co	M. q 70-11 The fine of the fi	VIEG REEM PION A. W. A. TO-7 A. M. G. TO-11 I. M. G. TO-11 I. M. G. TO-11 I. M. G. TO-11 I. M. G. TO-11 I. M. G. TO-11 I. M. G. TO-11 II. M. G. TO-11 II. M. G. TO-11 II. M. G. TO-11 III. M. G.	.M.A. 70-7 .M.G. 70-11 .M.G. 70-11 .M.G. Mean Delly Seluemumizak	8-07 P.M. 11-07 P.M. M.H 70-11 Mean Dally Value. Meximum.	Mer Delly Mer Delly Velan.	Mean Daily Value.	Value. Maximum.			.M.A 70-7	.M.T 70-8	M.9 70-11	.M.A 70-7	.M.4 70-8	м.ч тол	.M.A 70-7	8.07 P.M.	M.9 70-11	7.07 A. M.	8-07 P. M	107 A. M. 807 P. M. 1107 P.M.	I N
23 30.24 30.09 29.99 30.07 50 67 60 59-0 69 49	50 67 60 59.0	50 67 60 59.0	50 67 60 59.0	50 67 60 59.0	50 67 60 59.0	60 59-0	29.0	69 0.6	6	₹		100	45 65	≱	*	*	4	4 16	01	Foggy	Fair	Cloudy	
24 29.84 29.72 29.65 29.74 57 58 58 57.7 62 56	57 58 58 57.7	57 58 58 57.7	57 58 58 57.7	57 58 58 57.7	57 58 58 57.7				Ç3	٦Ď_		100 100	0 100	臼	E	Ħ	~	7.11	20	Light Rain	Cloudy	Cloudy	.16
Tuesday, 25 29.58 29.53 29.70 29.60 59 66 56 60.3 68 54	29.58 29.53 29.70 29.60					66 56 60.3 68	56 60-3 68	0.3 68	00	rĢ.		87. 5	54 62	Z	N N	*		8	3	Cloudy	Fair	Clear	\$
Wed'd'y, 26 29·86 29 98 30·12 29·99 51 56 46 51·0 58	98 30 12 29 99 51 56 46 51 0 58	98 30 12 29 99 51 56 46 51 0 58	51 56 46 51 0 58	51 56 46 51 0 58	51 56 46 51 0 58	56 46 51 0 58	51.0 58	1.0 58	- œ	4	<u>4</u>	86	34 38	z	×	闰	6	9 20	10	Clear	Clear	Clear	\$
Th'rsd'y, 27 30-23 30-15 30-16 30-18 44 60 56 53 3 61	30.15 30.16 30.18 44 60	30.15 30.16 30.18 44 60	44 60	44 60	44 60	8	F6 53·3 61	3.3 61	===	4		68	44 63	Ħ	*	Calm	4	7	0	Foggy	Clear	Clear	\$
28 30-23 30-20 30-23 30-22 47 65 58 56-7 66	47 65 58 56 7	47 65 58 56 7	47 65 58 56 7	47 65 58 56 7	47 65 58 56 7	65 58 56.7 66	58 56.7 66	99 2.9	9	4	46 8	98	6 8 100	田	国	闰	4	9	9	Cloudy	Cloudy	Cloudy	\$
Saturday, 29 30-17 30-07 30-01 30-08 60 63 65 62-7 63	30-17 30-07 30-01 30-08 60 63 65 62-7	30.08 60 63 65 62.7	30.08 60 63 65 62.7	30.08 60 63 65 62.7	60 63 65 62.7	63 65 62.7	62.7	2.7	99	63 57		87	93 100	SE	SC.	202	∞	8 16	4	Cloudy	Cloudy	Heavy Rain	.27
29·99 57·3	29.99 57.3	29·99 57·3	29-99 57-3	29-99 57-3		57.3	<u>:</u>	<u>:</u>	:	:							<u> </u>	:	 :				.43

The service of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, NOVEMBER 5, 1881.

CAUSES	E.	ORS		CA	A U	SES	L.	ORS	DEATHS IN EACH	
OF DEATH.	ADULTS	MINORS	O	F	DI	EATH.	ADULTS	MINORS	WARD.	
			~ ~					_		
Abscess of Hip	5		Suic	ide Ide	10	n rowning	i		FirstSecond	21 10
A nonlevy	8		,,,,,,	άς,	ĭ	rowning audanum	2	- 1	Third	16
Asphyxia		1	Sypi	ıili	3			1	Fourth	19
Bright's Disease	2		Spin	aВ	ifi	dasenterica		1	Fifth	7
Burns and Scalds		. 1	Tabe	S N	Les	enterica		1	Sixth	13
Carbuncle Cancer of Liver	1		Tum	nue or	of.	Brain	1 1	•••••	Seventh	13
" Neck	'nî		Ulce	rat	ioi	of Leg	i		Ninth	- 4
" Stomach	3		•	•	1	Umbilicus	31	1	Tenth	:
" Uterus	, 1		Unk	not	₩n	·····		1	Eleventh	
asualties	5						-		Twelfth	
Cholera Infantum '' Morbus	•••••	1					170	104	Thirteenth	
Cirrhosis of Liver	1								Fifteenth	1
Congestion, Brain		1							Sixteenth	-
Lungs		- 11							Seventeenth	
Consumpt'n, Lungs	- 36	151							Eighteenth	1
Convulsions Croup	1	15							Nineteenth Twentieth	1
Jroup Jyanosis	•••••	2							Twenty-first	- 1
Debility	7	~							Twenty-second	
Debility Diarrhœa Diphtheria	i							İ	Twenty-third	- 7
Diphtheria		18						}	Twenty-jourth	. 1
Dropsy	4	• • • • •						1	Twenty-fifth	į.
Aummai		1							Twenty-sixth	14
" of Brain Chest,								1	Twenty-seventh	19
"Heart	'n								Twenty-eighth Twenty-ninth	1
Disease of Brain								1	Thirtieth	
'' Heart	7	1	Of	the	ab	ove there wer	e :	1	Thirty-first	1:
Kidneys		•••••	TT 1						1	
Effusion on Brain		. 1	Und	er.	ļу	ear	•••••	69 22		-
Enlargement, Liver		••••				5				
Fatty degeneration of Heart	. 1			5	to	10		15		
Fever, Malarial	. 3	. 3	4 4	10	to	15		. 4		
Scarlet	· · · · · · · ·	6		15	to	20	•••••			
'' Typhoid	. 14	- 0				30				24
Heart Clot		····i		w	to	40 50	•••••	32	Foreign	6
Hemorrhage, Lungs	1				to	60	• • • • • • • • • • • • • • • • • • • •	19	Unknown	1
Hooping Cough			4 4	60	to	70 80		21	People of Color From Almshouse	1
Inflammat'n, Brain		12		70	to	80		25	" M Hospital	
" Bronchi	. 2				to	90	•••••	6	-	
Kidneys			· • •	90	to	100	• • • • • • • • • • • • • • • • • • • •	3	·	
" Liver " Lungs		6							Premature Birth.	
" Pericardium								!	,	1
" Peritoneum.		3,	ı							
" S. & Bowels								Į.	Males	
" Tonsils	.	2	1					1	Females	
Inanition								-	Total	
Mania-a-potu Malformation		. 2						1		<u> </u>
Marasmus		. 9						i		!
Neuralgia, Heart	. 1 2	2:	1					[Still-Born.	i
Old Age	. 17	(;	i							_
Obstruction, Bowels		. 1	Mal	es	••••		· • • • • • • • • • • • • • • • • • • •	163		
Paralysis Softening, Brain	. (ξ'	Fem	ale	8	·····	•••••	161	Males	1
								. 74	Females	
Small Pox		9	CU	S	••••	• • • • • • • • • • • • • • • • • • •	•••••	80		1

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, NOVEMBER 5, 1881.

RAIN	Ä.	-64	83	8	9	.14	8	\$	1.81
THER.	11.07 P.M.	Cloudy	Cloudy	Cloudy	Light Rain	Light Rain	Clear	.Clear	
STATE OF WEATHER.	rot A. M. 8 or P. M. 11 or P.M.	Light Rain	Cloudy	Cloudy	Cloudy	Light Rain	Fair	Cloudy	
STAT	7.07 A. M.	Foggy	Heavy Rain	Cloudy	15 Cloudy	Cloudy	Fair	Clear	
X Q	M.9 70·11	-	15	17	15	10	11	10	·
VELOC'Y OF WIND	.M.T 70-8	34	12 18	14 21	8 26	4 26	12 21	3 24	- :
VE	.M.A 70·7	9	12	14	00	4	12	တ	
z.	M.9 70-11	8	8	Z	闰	Z	≱	8	
DIRECTION OF WIND.	.M.T 70-8	≽	80	臼	闰	Z	MN	⊗	
100	.M.A 70·7	*	80	된	NE	≱	NN NN	8	
IVE	M.4 70·11	88	93	98	86	88	65	99	
RELATIVE HUMIDITY	.M.9 70.8	93	8	86	83	88	83	50	
RE	.M.A 70-7	100	100	100	93	93	73	73	
	.mrminiM	61	70 65	66 55	52	43	35	88	<u>:</u> :
ER	.mrmixaM	69		99	6_	61	46	61	
THERMOMETER.	Mean Daily Value.	62 68 67 65.8 69 61	66 69 65 66-7	61 58 57 58-7	59 56 7	44 53·2 61	40 44 40 41.4 46 35	42 60 53 51 7	56.3
RM.	M.9 70-11	67	33	22	59	4	40	53	:
H.	.M.9 70.8	89	69	28	54 57	58 57	4	9	:
	M.A 70-7	62	99	61	72				
_	Mean Daily Value.	30.01	29.87	29.98		29.73	29.82	30.12	. 29.94
ETER.	M.9 70-11	29.92	29.85	30.02	29.93	59.69	30.04	30-14	:
BAROMETER.	.M.A 70-8	30.03	29.84	29.98	30.02	29.70 29.69 29.73	29.80	30.07	
	.M.A 7:07	30.06 30.03 29.95 30.01	29.93 29.84 29.85 29.87	29-91 29-98 30-05 29-98	2 30.08 30.02 29.93 30.01	29.80	4 29·70 29·80 30·04 29·85	30-15 30-07 30-14 30-12	
Month and Day.	1881. OCTOBER.	Sunday, 30		Tuesday, 1	Wed'd'y, 2	Thursd'y, 3	Friday, 4	Saturday, 5	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, NOVEMBER 12, 1881.

CAUSES OF DEATH.	ADULTS	MINORS	CAUSES OF DEATH.	ADULTS	MINORS	DEATHS IN EACH	_
Alcoholism	- 5		Murder			First	
neurism of Aorta	2		Neuralgia of Heart.		******		
Lpoplexy	1 7	1	Old Age	21		Third	
Asphyxia Bright's Disease			Obstruction, Bowels Paralysis	4		Fifth	
Burns and Scalds	2	1	Pyemia		******	Sixth	ļ
ancer, Back		·	Sclerosis of Spine				
" Breast	Ī		Scrofula		1	Eighth	1
" Liver	2	il	Septicæmia	1	1	Ninth	1
" Stomach				4	7	Tenth	1
O 1001 mp	1		Sore Throat	******		Eleventh	
asualties	5					Twelfth	
erebro-SpinalMen-	١,	١,	Syphilis Trismus Nascenti'm	1		Thirteenth	K
ingitis holera Infantum	1	5	Tumor	1	1	Fourteenth	-
irrhosis of Liver		l	Tumor Uterus			Sixteenth	
ompression, Brain.						Seventeenth	
ongestion, Brain	2		Uræmia	1	1	Eighteenth	
onsumpt'n Lungs.	43		Wounds, Gunshot	1		Nineteenth	1
onvulsions		18	7.0-10-4.7-1-1-1-1-1	_	-	Twentieth	
roup		10		195	164	Twenty-first	
yanosis		1		_	Name of	Twenty-second	l
ebility	5	4				Twenty-third	ł
iabetes			Į.			Twenty-fourth	
iarrhœa		1 2				Twenty-fifth	ĺ
iphtheria		20				Twenty-sixth	١.
ropsy	1	2				Twenty-seventh	1
of the Brain	9					Twenty-eighth Twenty-ninth	
rowned	i					Thirtieth	
ysentery	i		Of the above there were			Thirty-first	i :
ffusion on Brain		1	01 500 00000 50010 0010			zuttij litetimimi	
mpyema	1		Under 1 year		63		
rysipelas	3	ļ .	From 1 to 2	******	27		
atty degeneration of the Heart		1	" 2 to 5		40	10.00.00	
of the Heart	2		" 5 to 10		15	Nativity, etc.	
ever, Malarial		1	" 10 to 15		.8		_
"Puerperal	1		10 00 20		11		
Tremit cent	i		20 00 00		37 41	United States	2
" Scarlet " Typhoid	12		00 100 40	•••••	25	Foreign	
angrene			' 50 to 60		30	Unknown People of Color	
leart Clot	.	1	" 60 to 70			From Almshouse	
lemor'hage,Boweis		ī	'' 70 to 80		13	" M. Hospital	
" Lungs	1		" 80 to 90		20	prour	
" Nose		1	'' 90 to 100		2		_
" Uterus			" 100 to 110		00,	Premature Birth.	
looping Cough		2		- 1	1		
iflammat'n, Brain		6	1	Ì	!		
DI OHUHI	$\frac{2}{1}$	5				Males	
Diauuer	3	····i				Females	
"Kidneys Larynx	3	i		1		Total	
" Larynx	ï	-		1			
" Lungs	9	9			.		-
" Pericardium	ĭ				- 1	Still-Born.	
" Peritoneum.	ŝ	1		- 1	- 1	Sull-Born.	
" S. & Bowels	4	3		- 1			
nanition	1	10	Males		162		
ania-a-potu	1		Females			Males]
larasmusleasles		23	BoysGirls	•••••	77 87	Females Total	1

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE . . . WEEK ENDING SATURDAY, NOVEMBER 12, 1881.

RAIN	ä	6	‡	9	.18	8	\$.52	4 ¢
THER.	11.07 P.M.	Cloudy	Threat- ening.	Cloudy	Cloudy	Fair	Cloudy	Cloudy	
STATE OF WEATHER.	7.07 A. M. 8.07 P. M. 11.07 P.M.	Clear	Light Rain	Cloudy	Cloudy	Cloudy	Cloudy	Light Rain	
STAT	7.07 A. M.	Clear	Cloudy	Foggy	Cloudy	Clear	Fair	Light Rain	
P A	II.97 P.N.	9	11	1-	â	13	6 10	12	
VELOC'Y OF WIND	.M.T 70-8	90	13 16 11	00	12 13 2)	15 18 13		2	
OF	.M.A 70-7	က	13	rO.	12	15	12	Calm	Ī :
Z ć	M.4 70·11	NE	闰	SW.	Z	Z	NE	202	
DIRECTION OF WIND.	3.07 P.M.	N X	SE	SW W	*	N	z	SW	
IG	.K.A 70-7	×	된	Ħ	\mathbf{s}	z	z	0	
RELATIVE	M.9 70·11	7	88	88	53	53	8	87	
KAT	.M.9 70-8	3	98	8	93	52	56	77 100	
RE	.M.A 70-7	12	92	100	100	89	57	11	
	.mrminiM	9				#		53	
ER.	.mrmixaM	60 46	- 75	8	69 58	28	52	159	i i
THERMOMETER.	Mean Daily .euls.	49 59 50 52-8	46 52 54 50 7 54 48	57 68 64 63 0 68 53	64 69 58 63.7	45 50 46 47.0 58 44	41 47 45 44.3 52 39	48 61 60 56 3 61 43	55.0
ERN	M.4 70·11	20	<u> 7</u>	64	58	9	45		<u> </u>
, HT	.M.A 70·7	20	_22_	88	<u> </u>	-30	147	361	
-	.M.A 70-7								
	Mean Daily .e.r.	30.32	30.40	30.27	30.18	30.45	30.47	29-91	30.29
ETER.	M.9 70-11	30-42	30.33	30.24	30-29	30.47	30.38	29.72	
BAROMETER	.M.9 70-8	30-32 30-42 30-32	30.29	30.25	30.08	30-43	30.48	30·18 29·83 29·72 29·91	
	.M.A 70·7	6 30.23	7 80.48 30.29 30.33 30.40	8 30.30 30.25 30.24 30.27	30.18 30.08 30.29 30.18	30.45	11 30.56 30.48 30.38 30.47	30.18	
Month and Day.	1881. NOVEMBER.	Sunday, 6	Monday, 7	Tuesday, 8	Wed's'y, 9	Thursd'y,10 30.45 30.48 30.47 30.45	Friday, 11	Saturday, 12	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Baronneter corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, NOVEMBER 19, 1881.

CAUSES	ADULTS	MINORS		CA	\U	SES	ADVLTS	MINORS	DEATHS IN EACH	
OF DEATH.	ADT	N N	U	F	DE	ATH.	ADI	MIN	WARD.	
Asthma	1		Old 2	Age		rrhagica Brain	. 13		First	1
Apoplexy	5		Para	lys	is		.¦ 3		Second	1
Bright's Disease	1	2	Pur.	Йe	mo	rrhagica.		1	Third	
Cancer of Brain	1		Scler	osi	s of	Brain	. 1		Fourth	1
'' Face	L		SCro	ula				1	Fifth	
" Liver	1		Sept	icæ	mia		. 2		Sixth	
" Pancreas.								1	Seventh	
" Pharynx.	1'	•••••	Sma	II P	οx		. 4	14	Eighth	1
" Uterus	1 2		Suffe	cat	ion		. ˈ · · · · · ·	1	Eighth Ninth Tenth	
Carles of the Spine		1	Suic	ide,	Hθ	nging Brain	. 1	'	Tenth	
Casualties	3,	1	Teta	nus	١		. 1		Lieventh	
erebro-SpinalMen.		1	Tum	or c	of I	Brain	.' 1		Twelfth	
Child-Birth	1	••••••		•]	Neck			Thirteenth]
Cholera Infantum	··· ·:/	2	Ulce	rati	on,	, Rectum	. 1	,	Fourteenth	
irrhosis of Liver	[1]	·····;	٠. ا	•		Neck Rectum Stomach	1 1		Fifteenth]
Congestion, Bowels Brain		Ĭ	Uræ	mia			. 1		Sixteenth	
	4		;				·—		Seventeenth]
Tungo		•••••					189	139	Eighteenth	1
onsumpt'n, Lungs.	48								Nineteenth	- 5
Convulsions Croup	1	- 11						i i	Twentieth	:
roup		- 8						ļ	Twenty-first	
yanosis	······	3						i	Twenty-second	
Debility	3	6	í						Twenty-third	
Diabetes	2							i	Twenty-fourth	- 2
)iarrhœa,	3	.2	100						Twenty-fifth	
Debility Diabetes Diarrhœa, Diphtheria		16	í					1	Twenty-sixth	į
Jropsy	. 1	• • • • • • • • • • • • • • • • • • • •						1	Twenty-seventh	
··· of Brain		•••••							Twenty-eighth	- 3
" Heart.		1			_				Twenty-ninth	1
Disease of Brain		••••	Of	the :	a 007	e there we	re :	1	Thirtieth	1
" Heart		•••••						50	Thirty-first	-
Tive:	6	•••••	Una	eri	ye	ar 2	•••••	52 22 27	· ·	
Drowned	4	2	rron	u i	to	<u>z</u>		97		_
Effusion on Brain					to	5		22		
'' Heart		•••••				10 15		5	Nativity, etc.	
Emphysema, Lung	- 5	•••••			to			ıĭ		
Epilepsy Erysipelas				10	1 10	30		39		
Zattu dovonomation		•	44			40		51	United States	2
atty degeneration of Heart	2					50		27	Foreign	7
ever, Malarial	. 3	'				60			Unknown	
" Puerperal				en en	to	70	•••••	24	People of Color	
"Remitten!				70	to	80	•••••	18	From Almshouse	
" Scarlet		3		80	to	90	•••••	9	" M. Hospital	
" Typhoid	21	3	66	an	to	100	•	2	in all all and all all all all all all all all all al	
"Typhoid "Typhus		ĩ	6 6	100	to	110	••••••	ī		_
angrene	1			100		**** *********	•••••	-	Dramatura Dinth	
									Premature Birth.	
" Senilis						•				_
Senilis	21							!		_
Senilis Iemorrhage, Brain.	1	1							Males	
Jenilis Jemorrhage, Brain. Lungs										
Jenills Jemorrhage, Brain. Lungs Jooping Cough		1 1 5						i	Females	
Jenills Jemorrhage, Brain. Lungs Jooping Cough		1 1						İ	Females	
Hemorrhage, Brain. Lungs Hooping Cough nflammat'n, Brain Bronchi	3 1	1 1 5 3						İ		
Hemorrhage, Brain. Lungs Hooping Cough nflammat'n, Brain Bronchi Bladder	3 1 1	1 1 5								
Hemorrhage, Brain. Lungs Hooping Cough nflammat'n, Brain Broncht Bladder Larynx	3 1 1;	1 1 5 3							Total	
Hemorrhage, Brain. Lungs Hooping Cough nflammat'n, Brain Broncht Bladder Larynx	3 1 1;	1 1 5 3								
Nenills Hemorrhage, Brain. Lungs Hoping (Cough finammat'n, Brain Bronch! Bladder Larynx Lungs Peritoneum	3 1 1;	1 5 3 							Total	
Hemorrhage, Brain. 'Lungs Hooping Cough 'Bronch! 'Bronch! 'Bladder 'Larynx 'Peritoneum 'S, & Bowels	3 1 1;	1 5 3 10 10 1	Male	S				152	Total	
Hemorrhage, Brain. 'Unugs Hooping Cough nfiammat'n, Brain 'Bronch! 'Bladder 'Larynx 'Larynx 'Pertioneum 'S, & Bowels nanition	3 1 1; 9, 1 4	1 5 3 10 10 1 2 7	Fem:	ales	4			152 176	Still-Born.	
Hemorrhage, Brain. Lungs Hoping Cough riammat'n, Brain Bronch! Bladder Lungs Lungs Lungs	3 1 1 9 1 4 1	1 5 3 10 10 1 2 7	Fem:	ales	4			176	Total	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DUBING THE WEEK ENDING SATURDAY, NOVEMBER 19, 1881.

Month and Day.		BAROMETER.	ETER.		-	HE	THERMOMETER.	MET	ER.		REL. HUM	RELATIVE	# X	DIF	DIRECTION OF WIND.	N.C	OF.	VELOC'Y OF WIND	Y K	STAT	STATE OF WEATHER.	THER.	RAIN
120 1 20 2 1	.M.A 70-7	.M.9 70-8	м.ч 70-11	Mean Daily Value.	.M.A 70-7	.M.4 70·8	M.9. 70-11	Mean Daily Value.	.momixeM	.msminiM	.M.A 70-7	S-01 P.M.	M.9 70·11	.M.A 70-7	.M.9 70-8	M.¶ 70-11	.M.A 70-7	.M.4 70.8	11-07 P.M	7.07 A. M.	3.07 P. M.	7-07 A. M. 3-07 P. M. 11-07 P.M.	, i
হা	9.78	13 29·78 29·81	29-98	29-98 29-85		29	55 56 45 52.0 61	2.0	61	45	93	45		×	Z	×		2 15	9	Fair	Clear	Clear	.01
ಹ	80.0	30.12	30.15	Monday, 14 30.08 30.12 30.15 30.12	£	_3 <u>6</u>	43 56 51 50.0	0.0	57 40	\$	89	91	59	X	Z	*		1 18	01	Clear	Clear	Clear	99
9	0.32	30.47	30.64	Tuesday, 15 30 32 30 47 30 64 30 48 39 45 38 40 7 55 38	68	3	384	0.1	55		38	45	61	Z	Z	NN	35	35 22	4	Clear	Clear	Clear	÷
ಯ	0.73	30.65	30.63	Wed's'y, 16 30·73 30·65 30·63 30·67		47	40 47 45 44-0	4.0	49 33		73	42		×	SW	≯	-	က	4	Clear	Clear	Clear	.
က	0.00	30.45	30.31	Thursd'y,17 30.60 30.45 30.31 30.45		58	44 58 52 51 3 58 41	1.3	58	41	292	53	98	*	SW	SW	_	00	30	Clear	Fair	Fair	*
ಯ	0.14	66-67	29.62	18 30 14 29 99 29 85 29 99	53	83	53 63 62 60.0 65 49	0.0	65	49	~ %	~ ₂ 2	84	SW	≱	S.	16		6 10	Cloudy	Cloudy	Fair	0 0.
C1	£83.	29-92	30.02	29.83 29.82 30.05 29.90 60 67 46 57.7 68 58	8	29	46.5	7.7	8	-86 	81	3		N S	×	≽	ണ ⁻	2	3 10 20	Cloudy	Cloudy Cloudy	Fair	÷
		30.21		30.21	<u> </u>	<u> </u>	: <u> </u> <u> </u> <u> </u> _	6.09	Ti	1:		† †	 				<u> </u>	T :	1 :				60.

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea.

* Precipitation too small to measure Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, NOVEMBER 26, 1881.

CAUSES	ADULTS	MINORS	CAUSES	DULTS	KINORS	DEATHS IN EACH	
OF DEATH.	ADI	MIN	OF DEATH.	ADU	MIN	WARD,	
Abscess, Psoas	1		Mania-a-potu	2	1	First	17
" of Liver	1		Malformation		1	Second	- 1
Anæmia	1		Marasmus		9	Third	į.
Alcoholism	4	•••••			1	Fourth	1
Apoplexy Bright's Disease	8			10		Fifth	
Bright's Disease	1		Paralysis	4		Sixth	
Cancer of Breast	1	•••••	Pyæmia	• • • • • • • • • • • • • • • • • • • •		Seventh	1
" Liver Nose	1		Softening of Brain.			Eighth	
" Stomach	2		Small Pox Suffocation	5	11	Ninth Tenth	
" Uterus	3		Spicide Cut's Throat	i	•	Eleventh	
Casualties	5	1	Suicide,Cut'gThroat '' Hanging	i	•••••	Twelfth	
Cholera Infantum	اا	3	Ulcerat'n, Stomach.	2		Thirteenth	
Colic		ĭ		<u></u>		Fourteenth	1
Congestion of Brain	1	ī	,	194	133	Fifteenth	î
Liver	Ī					Sixteenth	•
" Lungs		1				Seventeenth	
Cunsumpt'n, Lungs	53		!			Eighteenth	1
Convulsions		13	1		!	Nineteenth	3
I doi poidi			: 1		1	Twentieth	ĩ
Croup		14				Twenty-first	
Cyanosis		1	1			Twenty-second	1
Debility						Twenty-third	
Diarrhœa			1			Twenty-fourth	
Diphtheria		21				Twenty-fifth	1
Dropsy	3					Twenty-sixth	1
'' Abdominal		'ni			ì	Twenty-seventh	2
" of Brain " Heart	1		Of the above there wer		i	Twenty-eighth	ļ
Disease of Brain			or the above there we			Twenty-ninth	1
Heart			Under 1 year		44	Thirtieth	1
" Liver		,	From 1 to 2		29	Thirty-first	1
Effusion on Lungs		1	" 2 to 5		41		
Pleura	1	l	" 5 to 10		8		
Enlargem'nt, Heart	1		" 10 to 15		4	N	
Enilensy	1 1		" 15 to 20		9	Nativity, etc.	
Fatty degeneration			" 20 to 30		34		
Fatty degeneration of Heart	; 3	<u>i</u>	" 30 to 40		49		
rever, Maiariai	2	l	TU VU UU		22		22
" Remittent		1	00 10 00	••••••	25	Foreign	g
Scarret		2			28	Unknown	1
	16		10 10 80		20	People of Color	į
Fracture of Leg	1 ;		00 00 00		2	From Almshouse	1
Heart Clot	1	1	OU 10 100	• • • • • • • • • • • • • • • • • • • •		" M. Hospital	
Hemorrhage, Brain. Lungs.	2				1		_
Hernie Strangleted	ĺ		1		1		
Hypertrophy Hoost	ĺî		1		1	Premature Birth.	
Inflammat'n Brain	2				1		
Hernia, Stranglated Hypertrophy, Heart Inflammat'n, Brain 'Bronchi	2		I				
Kidnevs	ī				ì	Males	
" Liver			!			Females	
" Lungs	14				l	Total	
" Pharvnx		ĭ	1		ŀ	1	
" Pericardium		1	!		:		
" Peritoneum.	! 1					CHILL Boom	
" Pleura			i			Still-Born.	
" Rectum	; I		!		1		
" S. & Bowels.	4	5	Males	•••••	169		
Inanition	, 1		Females			Males	
Intussusception		1	BoysGirls			Females	
Jaundice	-1	. 1	14+1F18		60	Total	. 1

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, NOVEMBER 26, 1881.

RAIN	IN.	\$	*	\$.26	, 8	ş	8	49
'HER.	11.07 P.M.	Clear	Hazy	Cloudy	Light Rain	Clear	Clear	Clear	
STATE OF WEATHER.	·07 A. M. 3·07 P. M. 11·07 P.M.	Clear	Cloudy	Cloudy	Light Rain	Cloudy	Clear	Clear	
STATE	7.07 A. M.	Fair	Cloudy	4 Cloudy	Cloudy	Cloudy	Clear	Clear	
⊁ £ ·	M.9 70·11	0 8	4.2	4	6	12	S.	67	Ī:
30	3.07 P.M.	œ		2	2	8	<u>01</u>	ū	T :
VELOC'Y OF WIND	.M.A 70-7	16	Ø1_	-	20	10 28 12	31	5	T :
	м.ч ю.ш	Calm	MX	因	NE	N N	SW.	*	T
DIRECTION OF WIND.	.M.Y 70.8	Z	`	Z	Z	MN	*	SW	
10.0	.M.A 70·7	N N	SW	z	터	×	N W	S.	
I Y	M.97 70-11	65	92	56	8	11	8	22	T :
101	.M.4 70.8	48	11	46	. 8	8	8	54	
RELATIVE HUMIDITY	.M.A 70-7	61	38	5	78 100	68	73	88	 -
	.mrminiM		- x 2	8	83	8	- 22	83	T :
EK.	Maximum	— <u>.8</u> -	- 7	4	- %	. <u>\$</u> _	36	- 24	† - ÷
THERMOMETER.	Mean Daily Value.	1 39 5 46 35	40 47 44 43.8 47 35	0.28	31 35 37 34 3 38 29	8 32.3	25 34 32 30 3 36 24	31 46 37 38 2 47 28	36.5
IER	M.9 70-8	- L	7 4	- 85_ - 6	ت. پئ	3	ધ્ર	- 🕉 –	 :
TH	M.A 7.07	36 41 41	10 4	23	- 22	37.3	. 55 . 53	. 4.	<u> </u>
	Mean Daily Yalue.	30-40 30-49 30-53 30-47	30.46 30.26 30.16 30.29	30.36		98.67	25 30.31 30.37 30.37 30.35		30.23
BAROMETER	M.9 70-11	30.53	30.16	30.41	29.73	30.02	30.37	30-21	
BARO	.K.4 70 8	30.48	30.26	30.38	30-05	8.62	30.37	330-16	
1	.M.A 70-7		30.46	30.55	30.31	20.1	30.31	30.5	
Month and Day.	1881. NOVEMBER.	nday, 20	- 22	Tuesday, 22 30 29 30 38 30 41 30 36 42 39 30 37 0 44 30	Wed'sd'y,23 30·31 30·02 29·73 30·02	Th'rsd'y, 24 20 71 29 80 30 07 29 86 37 31 28 32 3 40 28		Saturday, 26 30.28 30.16 30.21 30.22	Means
Month and D	1881. NOVEMB	Sunday,	Monday,	Tuesday,	Wed'sd'y	Th'rsd'y,	Friday,	Saturday	

The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

* Precipitation too small to measure,

WEEK ENDING SATURDAY DECEMBER 3, 1881.

CAUSES	DULTS	MINORS	CAUSES	Į.	10 K	DEATHS IN EACH	
OF DEATH.	ADU	KIN	OF DEATH.	ADULTS	MINORS	WARD.	
		-					
Abscess of Brain	٠,	1	Infl. S. & Bowels,	4	4	First	
" Parotid Gland			" Uterus		7	Second	
Alcoholism			Inanition	i!	4	Third	
4 sth ms	' 1		Melanosis	ī		Fourth	
nonlevy	11		Marasmus		12	Fifth	
sphyxia		1	Neuralgia of Heart	1		Sixth	
Bright's Disease	3	! ī	Old Age	18		Seventh	
ancer	ĩ		Paralysis	. 9		Eighth	
of Breast,	ī		Pois'ningLaudan'm	1		Ninth	
" Liver	1		Purpura	1		Tenth	
" Rectum	1		Pvæmia	1		Eleventh	
" Stomach	2	٠'	Rheumatism	1		Twelfth	
" Uterus	1		Scrofula		1	Thirteenth	
Arbuncle	1		Septicæmia	1		Fourteenth	
asualties	5	2	Softening of Brain	1		Fifteenth	
erebro-SpinalMen-	1	!	Small Pox	1 4	10.	Sixteenth	
ingitis		3	Queen of Heart	1 1	1,	Seventeenth	
mild-birth	1	,	Suffocation	·	2	Eighteenth	
irrhosis of Liver	2		Syphilis		1	Nineteenth Twentieth	
Compression, Brain.			Tabes Mesenterica		1	Twentieth	
Congestion of Brain	1		Tetanusl,	. 1	1	Twenty-first	
Liver		*****	Thrombosis			Twenty-second	
" Lungs						Twenty-third	
onsumpt'n, Lungs.	49	6	Ulceration, Bowels		1	Twenty-fourth	
onvulsions	1	8	Uræmia	2	•••••	Twenty-fifth	
roup		17		i—-		Twenty-sixth	
Debility	5			209	146	Twenty-seventh Twenty-eighth	
Diabetes					=	Twenty-eighth	
Diarrhœa	2			' :		Twenty-ninth	
Diphtheria		16				Inirtieth	
Dropsy	2					Thirty-first	
of Brain		2					
" Heart							-
Disease of Heart	8					,	
Dysentery	3		1	- 1		Maddalia ata	
Effusion on Brain	1					Nativity, etc.	
mpyema	1		Of the above there were):			
Enlargement, Heart Liver	1						
			Under 1 year	••••••	40	United States	2
Cpilepsy	2	٠	From 1 to 2	•••••	20	Foreign	
atty degeneration		-	4 10 0		- 30	Unknown	
of Heart	2		9 10 10		20	People of Color	
ever, Intermittent	1			••••••	9	From Almshouse	
" Malarial	3		10 00 20	•••••	15	" M.Hospital	
remineut	1		'' 20 to 30	••••••	40		
Scarie t			30 to 40		38		-
I V DIIOIU	7	7	**************************************		34	Premature Birth.	
leart Clot	1		00 00 00		26		
Hemorrhage, Brain.	1						
' Internal Lungs	1		" 80 to 90		18	Moloe	
" Umbilicus,		1	70 10 90		13	Males Females	
				••••••	6	Total	
Hernia Hooping Cough	. 1	1	!	,		TOM1	
Typertrophy Heave	1			1			
Iypertrophy Heart nfiammat'n Brain.	1	8					
"Bronchi	i			1		Still-Born.	
ыонени		2	•	-			
Last y II x			Molog	-	370		-
44 Tirror	1	1	Males	••••••	170	Males	
Diver		0					
" Lungs	9		Females		700	Females	
" Lungs	9	1	BoysGirls	!	71 75	Females	

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE

WEEK ENDING SATURDAY, DECEMBER 3, 1881.

Month and Day.	1	BARO	BAROMETER			HE	RM	THERMOMETER.	, i	*#	ELA	RELATIVE HUMIDITY		DIRECTION OF WIND.	NON TD.	OF VE	VELOC'Y OF WIND	× A	STAT	STATE OF WEATHER.	THER.	RAIN
1881. NOVEMBER.	.M.A 70-7	. M. q. 70-8	IX'd 20:11	Mean Daily Value.	.K.A 70-7	.M.4 70-8	M.4 70-11	Mean Daily Value.	Meximum.	.M.A 70-7	.M.4 70-8	M.4 70-11	.M.A 70-7	.M.q 70-8	M.9 70-11	.M.A 70-7	M.4 70.8	M.4 70-11	7.07 A. M.	7-07 A. M. 3-07 P. M. 11-07 P.M.	11.07 P.M.	i i
Sunday, 27	30-52	30-06	30-17	30-17 30-15		52		6 52 46 44.7 5	53 33	- 2		52 68	<u>×</u>	*	8		_=	્રા	Clear	Clear	Cloudy	ş
Monday, 28		30.50	30.52	30.42 30.50 30.52 30.48	33 37	37	34	34 34.8 4	47 32		- 22	72 71	NE	ഥ	田	- oo	က	CCC	Clear	Clear	Clear	3
Tuesday, 29	30.47	30-33	30-33 30-26	30.35	333	51	51	51 45 (5	55 30		-12 -88	72 80	NE	2 0	8	्रा	က	_01	Clear	Cloudy	Cloudy	9
Wed'd'y, 30	30-24	30-14	30-08	30-14-30-06 30-15		52	_ 03	43 52 50 48 3 55	5 40		93 86	86 100	*	SW	SW		_	cı ¯	Foggy	Foggy	Light Rain	10.
Thursd'y, 1	29.81	59.89	30-26	30-26 29-99	<u>'</u> 2	09	46	54 60 46 53.4 61	1 46	100	22		S SW	N	NW		3 16	ಬ	Light Rain	Cleari'g	Clear	.
Friday, 2	30.45	30.40	30.41	30-40 30-41 30-42		45	39	38 45 39 40 6 47 36	7 36		72 60	0 82	Z	田	闰	4	4	*	Clear	Fair	Fair	ş
Saturday, 3	30-32	30.53	30.54	30.24 30.27		45	40	38 45 40 41 0 47 35	7 35	27		68 9	E	田	NE	4	4		Cloudy	4 Cloudy Cloudy	Cloudy	ş
Means				30-26		T :	1	44.0			ļ <u>i</u> .					<u> : </u>	Ī - Ī -	Ī :				-41

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

WEEK ENDING SATURDAY, DECEMBER 10, 1881.

. CAUSES	BULTS	MINORS	CAUSES	OR	DEATHS IN EACH	
OF DEATH.	ADE	MIN	CAUSES OF DEATH.	MINORS	WARD.	
Abscess of Brain		1	Inflam'at'n, Pleura '' S. & Bowels		First	10
"Knee-Joint		. 1	S. & Bowels	2 2	Second	14
LIVEL	l 1			į	Third	12
Aneurism of Aorta Asthma	. 1		Insanity	1,	FourthFifth	1 18
Apoplexy	7		Inanition	i	Sixth]
Bright's Disease	∣ 3		Marasmus	12	Seventh	2:
Burns and Scalds		3	Neuralgia of Heart	1	Eighth	1 3
Cancer	ļ		Old Age	12	Ninth Tenth Eleventh	15
" of Breast Face	1		Paralysis Pur. Hemorrhagica.	11	Florenth	16
"Liver	1 1		Pyemie	1	Twelfth	1
" Lip and Mouth			Scierosis of Spine	1	Thirteenth	١ ۽
" Stomach	. 2		Senticemia	2 2	Fourteenth	7
" Uterus	1		Softening of Brain	6	Fifteenth	12
Casualties	3	Z	Small Pox		Sixteenth	11
Cerebro-SpinalMen- ingitis	l	9	Stricture of Rectum		Seventeenth	11
Cholera Infantum		l i	Suicide, Shooting Syphilis	2	Eighteenth	18
irrhosis of Liver	1		Tumor of Larvny	î	Twentieth	
Congestion of Brain	1	6	Ulceration of Back	Ϊ'	Twenty-first	18
Unest	1		Unknown	1	Twenty-second	13
" Lungs	1		<u> </u>		Twenty-first Twenty-second Twenty-third Twenty-fourth	
onsumpt'n, Lungs.	51 1	9	. '20	09 147		1.
onvulsions ramps		ı	_		Twenty-fifth	15
roup					Twenty-sixth Twenty-seventh	19
vanosis		4		- 1	Twenty-eighth,	14
Debility Diarrhœa	3				Twenty-ninth	20
Diarrhœa	2		•		Thirtieth	17
Diphtheria		13		!	Thirty-first	2
oropsy '' of Brain		2	Of the above there were:			
"Heart			of two whole funds mate :	1	!	•
" Ovarian	2		Under 1 year	48	i I	
Disease of Brain	2	1	From I to 2	20		
" Heart	13	2	' 2 to 5	35		
Tu set			9 10 10		i I	
" Spine Drowned	i		" 10 to 15 " 15 to 20	11	United States	25
Dysentery	ŝ		((nn +~ nn	. 00	Foreign	92
Effusion on Brain			'' 30 to 40	42	Unknown	10
Epilepsy	1		20 00 (9)	04	From Almshouse	18
Erysipelas	•••••	1	50 to 60		" M Cloanital	1
Fatty degeneration of Heart	9	ļ	00 00 10			
ever, Malarial			'' 70 to 80 '' 80 to 90			
Scarlet		6	" 90 to 100	13		
" Typhoid	9	4	" 100 to 110	i		
angrene of Lungs	1					
Teart Clot					Males	5
Hemorrhage, Brain	1				Females	1
Internati	2	•••••		1	Total	4
Lungs		8				
nflammat'n, Brain "Brouchi	7	ĩ			1	
" Biadder	1				Still-Born.	
		1		1		
" Larynx		1	Males	194	1	
"Larynx	;;;				l I	
" Larynx " Liver " Lungs	14		Females			9
"Larynx	14 1 1 1	7	Females BoysGirls	87	Males Females Total	9 9 18

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, DECEMBER 10, 1881.

ER. RAIN	-07 P.M. 1N.	Ligh Rain	Fair '01	Cloudy .00	Cloudy 13	Clear (00)	Cloudy .00	Clear ·00	
STATE OF WEATHER.	707 A. M. 3-07 P. M. 11-07 P.M.	6 Cloudy Cloudy I	Cloudy	Cloudy Cloudy C	Fair C	Clear	Fair C	Fair	
STAT	707 A. M	Cloudy	Cloudy	Cloudy	Light Rain	Fair	Cloudy	Fair	
× Q	K.4 70·11		_	<u></u>	5 14 16	4	4	4	_
VELOC'Y OF WIND	3.07 P.M.	0 10	က	ď	14	4	ಣ	6.10	
V.E.	M.A 70-7			•		9	4	9	
o. D.	M.¶ 70-11	Z	NE	SW	×	8	z	Z	
DIRECTION OF WIND.	.M.Y 70-8	82 100 Calm NE	Z	o	SW NW	*	≱	Z	
ā°	.W.A 70-7	Calm	Z	Calm		*	`	NE	
VE	M.9 70-11	- 8	85	85	9‡	1.	57	42	
RELATIVE HUMIDITY	.M.T 70-8	82	92		± 48	22	56	65	
RE	.M.A 70-7	68	100	68	100	88	28	89	
- = = = 	.msmlalM	38		34	36	31	31	28	
ER.	.mumixeM	43	46	8	8	41	20	41	•
THERMOMETER.	Mean Daily Value.	40 42 38 40.0 43 36	41.4	48.5	41.8	35.7	41.3	31 32 27 30 2 41 26	
ERM	M.4 70-11	8	42	41	37	35	41	27	
TH	.M.T 70-8	- 24	4	3.48	147	340	46		
	.M.A 70-7			ౙ	<u>-4</u>	ಣ	8	<u> </u>	
 -	Mean Daily Value.	30.25	30.33	30.10	29.75	30.10	30.17	30.45	
IKTER.	M.4 70·11	30.58	30.35	29-92	29.84	30-16	30.50	30.26	
BAROMETER	.M.A 70-8	30.23	30.33	30-10	29.67	30.08	30.14	30-30 30-41 30-56 30-42	_
	.M.A 70-7	4 30.25 30.23 30.28 30.25	5 30.31 30.33 30.35 30.33 38 44 42 41.4 46 37	6 30.28 30.10 29.92 30.10 38 48 41 42.5 48 34	7 29.69 29.67 29.84 29.73 41 47 37 41.8 48 36 100	30.04	30-15 30-14 30-20 30-17 34 49 41 41-3 50 31	30.30	
Month and Day.	1881. DECEMBER.	Sunday, 4	Monday, 5	Tuesday, 6	Wed'd'y. 7	Thursd'y, 8 30.04 30.09 30-16 30-10 33 40 34 35-7 41 31	Friday, 9	Saturday, 10	

The surface of the mercury in the cistern of Barometer is 469 feet above the mean level of the sea.

*Precipitation too small to measure. Barometer corrected for temperature, elevation above sea, and instrumental error.

CAUSES	ADULTS. MINORS.	CAUSES	ADULTS	2 1	DEATHS IN EACH	
OF DEATH.	AUC	OF DEATH.	AD	2 E	WARD.	
				,	Marca 4	16
Abscess of Brain		Inflat'n Kidneys		إ	First Second	15
Alcoholism	1			4 7	Third	-6
Anæmia	l	Liungs,	3	1:1	Fourth	9
Aneurism, Aorta	· ÷ ·····				Fifth	7
A poplexy	7 1	" S. & Bowels.		3 8	Sixth	6
Asthma Bright's Disease	8	. Inanition	. 1	2.8	Seventh	18
Downs and Mcaids		Intussusception		111	Eighth	5 3
Cancer, Bowels	4	Jaundice	·	ب	Ninth Tenth	11
PART			1 3		Eleventh	- 5
" Femur		Marasmus	i i	";	Twelfth	3
" Liver	2	Marasmus Murder Neuralgia	i ii	′	Thirteenth	- 8
" Pancreas	2	Old Age	14	••••	Fourteenth	7
" Stomach " Uterus	ĩ.	Old Age Paralysis	. 11		Fifteenth	13
Casualties		Pyæmia	. 1	\$	Sixteenth	14
Cerebro-SpinalMen-	1	Kneumatism		}	Seventeenth	.8
ingitis	1	. '' Heart.	. 2	••• :	Eighteenth Nineteenth	16 12
Cholera Infantum		Softening of Brain.		~~;';	Twentieth	10
Cirrhosis, Liver	9	Small Pox	t 1	٠,	Twenty-first	4
Calla		l Suicide,Cut'gThroa 1 '' Drowning.	1		Twenty-first Twenty-second	8
Collapse of Trings	,	o "Warnigh ·			Twenty-third	0
Collapse of Lungs Congestion, Brain	i	. Syphilis	. 1		Twenty-fourth	16
" Lungs		l Uræmia	. 3		Twenty-fifth	17
Consumpt'n, Lungs.	46	ก็	1	104	Twenty-sixth	12 29
Consumpt'n, Lungs. Bowels.	1	11	235	104	Twenty-seventh Twenty-eighth	16
Convulsions	I			_	Twenty-ninth	18
" Puerperal	, ••••••	I 9	i	- 3	Thirtieth	11
Croup		í	1	- 1	Thirty-first	16
Cyanosis Debility	3	7		1	-	
Diabetes	4	•	1	- 1		
Diarrhea	, 2		1	1		
Dinhtheria		6 Of the above there we	re :		Nativity, etc.	
		Under 1 year		40		
Of PLATIT	11	² From 1 to 2		22	United States	204
" Chest " Heart	. 3	44 54- 10		24	Foreign	109 21
Disease of Heart	15	l, '' 10 to 15			Unknown	20
Liver	· Z	1 '' 15 to 20		10	People of Color	1
Dysentery	, <u>i</u>	·· '' 20 to 30		48	From Almshouse '' M. Hospital	- 2
Embolism of Brain.	, I	·· '' 30 to 40		41	DI. IIOSPIGO.	
Epilepsy	'	40 10 90		36		
Fatty degeneration	1			43 26	Premature Birth.	
of Liver Fever,Brain				18		
" Catarrhal		1 '' 80 to 90		191		
" Malarial	3	·· '' 90 to 100			Males	:
" Scarlet		5 " 100 to 110		1	Females	;
" Typhoid	. ?	4	į		Total	-
Fracture of Skull			1			
Gangrene			1	1		
Hemorrhage, B'wl's		ï	1			!
" Lungs " Uterus	1		1	j	Still-Born.	
" IImbilical	• • • • • • • • • • • • • • • • • • • •	1	1	Ì		
Hooping Cough		2 Males		180		
Hypertropy, Heart.		·· Females		159	Males	
Inflammat'n, Brain.	1	6 Boys			Females	10

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA, DURING THE

WEEK ENDING SATURDAY, DECEMBER 17, 1881.

Month and Day.		BARO	BAROMETER.		F	IEEN	THERMOMETER.	TER.		RELATIVE HUMIDITY	RELATIVE HUMIDITY	₩ }-	DIR	DIRECTION OF WIND.	. .	VELOC'Y	VELOC'Y OF WIND	» A	STA	STATE OF WEATHER.	ATHER.	RAIN
1881. DECEMBER.	.M.A 70-7	.K.T 70-8	M.4 70-11	Mean Daily Legan	M.A 70-7 .M.A 70-8	M.9 70-11	Mean Daily Value.	.mumixaM	Minimum.	.M.A 70-7	.M.9 70-8		.W.A 70-7	.M.4 70-8	M.9 70-11	.M.A 70-7	.M.T 70-8	M.9 70-11	07 A. M.	3-07 P. M	7.07 A. M. 807 P. M. 11 07 P.M.	l K
Sunday, 11	30.64	9.08	30.63	30.64 30.60 30.63 30.62 26 33 34 31.0 39 25	26 3	8 4	31.0	39		92	- 09		M N	×	202	4	က	+	Clear	Clear	Light	*
Monday, 12 30.57 30.38 30.31 30.42 32 47 43 40.7 47 29	30.57	30.38	380.31	30.42	32 4	7 43	40.2	47	8	89	63 100		SE	SW	*	4	4	4 C	Cloudy	Cloudy	Cloudy	90.
Tuesday, 13 30.25 30.15 30.10 30.17 45 59 59 54.3 61 41	30.55	30.1	30.10	30.17	45 5	9 59	54.3	9	=	001	81 84		SW.	8W	8W	4	4 20 20		Foggy	Fair	Cloudy	; ;*
Wed'd'y, 14 30 00 29 84 30 08 _9 98	90-08	29.84	30.08	86-67	99	8 43	60 68 43 57.0 ,69.41	69	Į.	8	73,100		S.	SW.	NE	12.	12.24	<u></u>	9 Cloudy	Cloudy	Light Rain	.13
Thursd'y,15 30.29 30.37 30.53 30.40 32.35 30 32.3 43.29	30.58	30.37	7,30°55	30.40	32.3	5 30	37.3	43	83	78 100		88	Z	Z	ZE	===	12	8 C	11 12 8 Cloudy	Fair	Clear	.30
Friday, 16	30.63	39.08	39.08 7	16 30.63 30.62 30.59 30.62		031	25 40 31 32.0 41 24	41	72	73	8	 88	NE	. Э	SW	ق	Ē	4	Clear	Clear	Clear	9
Saturday, 17, 30.51 30.39 30.38 30.43	30.51	36.08	38.08 (30.43	27	435	44 35 35-3 45 26	- 45	- 92	77	5	53	*	*	≱	.ro	6	<u></u>	Clear	Clear	Clear	ŝ
Means				30.38		 :-	40.4	<u> </u>	:		-	1				<u> </u>		<u> </u>				-51 ·

*Precipitation too small to measure. The surface of the mercury in the cistern of Barometer is 46% feet above the mean level of the sea. *Thunder storm. Barometer corrected for temperature, elevation above sea, and instrumental error,

WEEK ENDING SATURDAY, DECEMBER 24, 1881.

CAUSES OF DEATH.	ADULTS.	MINORS.	CAUSES OF SECTION OF S	MINORS.	DEATHS IN EACH WARD.	
Abscess, Lumbar Aneurism of Aorta Apoplexy Bright's Disease Cancer ' Bones ' Breast ' Pancreas. ' Pylorus ' Stomach. Casualties	2 1 1 1 1		Small Pox. Suicide, Hanging Syphilis Tabes Mesenterica Tetanus Tumor of Brain Ulceration of Aorta. Unknown	1 1 1 1 1	Second	17 12 5 7 6 5 13 7 6 5 5 3
Cholera Morbus	1 2 4 1 1 1 45	5 4 10 17		8 137		3 11 5 9 6 10 18 26 16 4
Croup. Debility Diabetes Diarrhea Diphtheria Dropsy Lungs Disease of Heart ' Liver Drowned.	1 1 1 17	2 13 2 1 1	Of the above there were: Under 1 year From 1 to 2 ' 2 to 5	17	Twenty-second Twenty-third Twenty-fourth Twenty-fith Twenty-sixth Twenty-seventh Twenty-eighth Twenty-ninth Thirtieth	5 8 19 16 14 27 11 23 11
Epilepsy	3 12 1 1 1	2	' 10 to 15	6 17 37 41 36 23 26	Nativity, etc. United States	239 96 15
Hooping Cough Hypertrophy, Heart Inflammat'n, Brain 'Bronchi 'Bladder 'Kidneys 'Larynx 'Lungs 'Peritoneum.	3 3 4 2 20 3	1 7 7 2 15 3		4	People of Color From Almshouse '4 M. Hospital Premature Birth.	16 12 2
" S. & Bowels " Spine. Insanity, Inenition Marasmus Murder Old Age. Obstruction, Bowels Ophthalmia	13 13 14 13	1			MalesFemalesTotal	4 3 7
Paralysis Pyæmia Rheumatism Scrofula	11		Males	175	MalesFemales	4 2 6

Meteorological Observations taken at the Signal Oppice, Philadriphia,

DURING THE WEEK ENDING SATURDAY, DECEMBER 24, 1881.

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RAIN	IN.	\$	ŝ	\$	\$	•	.00	9	1 22
THER.	11.07 P.M.	Clear	Clear	Cloudy	Light Rain		Clear	Clear	
STATE OF WEATHER.	·07 A. M. 3·07P.M. 11·07 P.M	Clear	Cloudy	Cloudy	Threat- ening	Cloudy	Cloudy	Clear	
STAT	7.07 A. M.	Cloudy	Clear	Fair	Cloudy	Light Rain	Clear	Clear	
» A	M.970-II	4	_	_	ro.	9	153	21	ī ;
VELOC'Y OF WIND	3-07 P. M.	G	တ	4	4	9	_8	15	i i
VE OF	.M .A70-7	10	ū	Ø	6	7	4	12 15	T :
z i	.M.970·11	M	8	MN	Ħ	2 0	Z	>	
DIRECTION OF WIND.	.M T 70-8	*	33 E	8	8 0	202	z	×	
.e. •	.M .A70·7	≱	Z	8	E	田	*	Z	
I.Y.	II-07P.M.	65	89	88	8	100	28	72	
IDI	8.07P. M.	4	84	92	88	93	89	69	
RELATIVE HUMIDITY	.M .A70·7	100	61	73	73	100	66	77	
-	.muminiM	31	36	35	39	39	24	83	
ER,	.mumixaM	53	20	46	49	58	50	7	
THERMOMETER,	Mean Daily Value.	41.4	43.0	42.8	42.3	51.7	43.5	32.5	42.5
ERN	11-07P,M.	50 42	38 47 44	4	9	42	55	34	1 :
TH	.M .T 70-8	2 50	3 47	45	46	57	47	83	
=	M ,A70-7	35		. 39	41	44	52	83	1 :
	Villad mask , seriav	30.36	30.48	30-35	30.40	29.95	29-65	3.1.39	30-22
ETER	.M. 970-11	30-44	30-45	30.34	30.38	59-66	29-95	30.49	
BAROMETER	8-07 P.M.	30-33	30.47	30-33	30-42 30-38	29 91	29-49	30 40	
-	W ,A79-7	30-32	30.51	30.39	30-39	30-19	29-51	30.58	
Month and Day.	ISSI. DECEMBER.	Sunday, 18	Monday, 19	Tuesday, 20	Wed's'y, 21	Thursd'y,22	Friday, 23	Saturday, 24	Means

The surface of the mercury in the cistern of Barometer is 46.9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

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WEEK ENDING SATURDAY, DECEMBER 31, 1881.

			DATURDAT, DE				
CAUSES OF	ADULTS.	MINORS.	CAUSES	ADULTS.	INORS.	DEATHS IN EACH	
DEATH.	ADL	MIN	OF DEATH.	ADT	KIN	WARD.	
Abscess, Bladder '' Lungs		<u>i</u>	Infla. S. & Bowels '' Uterus	9	2	FirstSecond	12 16
Alcoholism	1		Intemperance			Third	14
Aneurism of Aorta	1		Inanition		7	Fourth	17
Apoplexy			Marasmus		9	Fifth	11
Bright's Disease	5		Murder	1		Sixth	2
Burns and Scalds	1	4	Old Age	14		Seventh	20
Cancer of Breast	1		Paralysis	9		Eighth	16
" Knee	1		Paralysis Pelvic Cellulitis	1		Ninth Tenth	2
" Neck & Face.	1	l	Prolapsus of Stom'h	1	••••	Tenth	6
Bromacii	3 2		Pyæmia	1	•••••	Eleventh	5
Uterus	2		Rheumatism, Heart	1	1	Twelfth	.6
vuiva	1 7		Septicæmia	1 2		Thirteenth	10 9
Casualties	'	1	Softening of Brain.	1		Fourteenth	18
Cerebro-SpinalMen- ingitis	1	3	Small Pox	10		Sixteenth	5
Child-birth	1	٥	Suffocation	10		Seventeenth	5 5
Cholera-Infantum		·····1	Suicide Cut'o Throat	1		Eighteenth	13
Cirrhosis of Liver	2		Suicide, Cut'g Throat '' Hanging	2		Nineteenth	24
Colic	1		Spina Bifida		1	Twentieth	24 29
Congestion of Brain	2	5	Syncope	1		Twentieth Twenty-first	5
" Lungs		8	Syncope Tetanus	¦	1	Twenty-second	12
" S. & Bowels		1	Thrombosis of Pul.		1	Twenty-third	4
Consumpt'n, Lungs	54	8	_ Artery	1		Twenty-fourth	26
Convulsions	1	12	Tumor of Spleen			Twenty-fifth	25
Croup		16	Tumor of Spleen Ulcerat'n, Pharynx Throat		1	Twenty-sixth	14 22
Cyanosis Debility		1 2	Throat		1	Twenty-seventh.	23
Diarrhœa	2		Uræmia			Twenty-ninth	20
Dinhtheria				233	181	Thirtieth	
Diphtheria		16		233	181	Twenty-eighth Twenty-ninth Thirtieth Thirty-first	11 12
Diphtheria Dropsy		16			181	Thirtieth Thirty-first	11
Diphtheria Dropsy	5 1	16 2			181	Thirtieth Thirty-first	11
Diphtheria Dropsy '' Abdominal '' of Brain '' Heart	5 1 1	16			181	Thirtieth Thirty-first	11
Diphtheria	5 1 1	16			181	Tnirty-nrst,	11
Diphtheria	5 1 1 1 4	16	Of the above there were	-	181	Thirtieth Thirty-first Nativity, etc.	11
Diphtheria Dropsy	5 1 1 1 4 1	16	Of the above there were	-		Nativity, etc.	11 12
Diphtheria Dropsy ' Abdominal. ' of Brain ' Heart ' Kidneys ' Lungs Disease of Brain ' Heart	5 1 1 1 4	16 2 1	Under l year	· :	64	Nativity, etc.	11 12 —————————————————————————————————
Diphtheria Dropsy	1 1 1 4 1 12	16 2 1	Under 1 year From 1 to 2) :	64 15	Nativity, etc. United States Foreign	11 12 —————————————————————————————————
Diphtheria Dropsy	5 1 1 1 1 1 12	16 2 1 2 1	Under 1 year From 1 to 2) :	64 15 49	Nativity, etc. United States Foreign	11 12 316 81 17
Diphtheria Dropsy	1 1 1 4 1 12	16 2 1 2 1	Under 1 year) :	64 15 49 25	Nativity, etc. United States Foreign	11 12
Diphtheria Dropsy	1 1 1 1 1 1 12 1 1 3	16 1 1	Under 1 year):	64 15 49 25 10	Nativity, etc. United States Unknown Unknown People of Color From Almshouse	11 12 316 81 17
Diphtheria Dropsy	1 1 1 1 1 1 12 1 1 1 8	16 1 	Under 1 year) :	64 15 49 25 10 18	Nativity, etc. United States Foreign Unknown People of Color From Almshouse " M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 1 1 1 1 1 12 1 1 1 3	16 2 1 2 1	Under 1 year);	64 15 49 25 10	Nativity, etc. United States Foreign Unknown People of Color From Almshouse 'M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 1 1 1 12 12 13 1 1 11 1 1	16 2 1 2 1	Under l year);	64 15 49 25 10 18 53	Nativity, etc. United States Foreign Unknown People of Color From Almshouse '' M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 1 1 1 12 12 3 1 1 1 1	16 	Under l year	:	64 15 49 25 10 18 53 36 37	Nativity, etc. United States Foreign Unknown People of Color From Almshouse 'M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 1 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1	16 	Under 1 year):	64 15 49 25 10 18 53 31 36 37	Nativity, etc. United States Foreign Unknown People of Color From Almshouse '' M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1	1 2 1 2 1	Under l year):	64 15 49 25 10 18 53 31 36 37 33	Nativity, etc. United States Foreign Unknown People of Color From Almshouse 'M. Hospital	11 12 316 81 17 34 8
Diphtheria Dropsy	1 12 12 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16 2 1 2 1	Under 1 year) :	64 15 49 25 10 18 53 31 36 37 33 31 20	Nativity, etc. United States Foreign Unknown People of Color From Almshouse '' M. Hospital Premature Birth.	316 81 17 34 8 10
Diphtheria Dropsy	11 12 11 11 11 11 13 11 11 13 11	16 2 1 2 1	Under l year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States Foreign Unknown People of Color From Almshouse '' M. Hospital Premature Birth. Males	316 81 17 34 8 10
Diphtheria Dropsy	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1	Under 1 year):	64 15 49 25 10 18 53 31 36 37 33 31 20	Nativity, etc. United States Foreign Unknown People of Color From Almshouse '' M. Hospital Premature Birth. Males	11 12 316 81 17 34 8
Diphtheria Dropsy	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 21 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under l year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States	316 81 17 34 8 10
Diphtheria Dropsy	11 11 12 12 11 11 11 11 11 11 11 11 11 1	11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States	316 81 17 34 8 10
Diphtheria Dropsy	11 11 11 11 11 11 11 11 11 11 11 11 11	10 9	Under 1 year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States	316 81 17 34 8 10
Diphtheria Dropsy	11 11 12 12 11 11 11 11 11 11 11 11 11 1	11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States	316 81 17 34 8 10
Diphtheria Dropsy	11 11 12 11 11 11 12 11 11 12 11 11 11 1	10 9	Under 1 year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2	Nativity, etc. United States	316 81 17 34 8 10
Diphtheria Dropsy	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under l year):	64 15 49 25 10 18 53 31 36 37 33 19 20 2 2	Nativity, etc. United States	316 81 134 8 10
Diphtheria Dropsy	11 12 12 11 11 11 11 11 11 11 11 11 11 1	11 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year):	644 155 499 255 100 188 533 31 366 377 333 119 200 2 2 2 2 2 2 2 2 5 2 2 5 2 2 2 2 2 2	Nativity, etc. United States	11 12 316 81 17 34 8 10
Diphtheria Dropsy	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year):	644 155 49 255 100 118 36 37 33 31 39 20 20 99 91	Nativity, etc. United States	11 12 316 81 17 34 8 10 ——————————————————————————————————
Diphtheria Dropsy	11 11 12 11 11 12 11 11 11 11 11 11 11 1	11 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Under 1 year):	644 155 499 255 100 188 533 31 366 377 333 119 200 2 2 2 2 2 2 2 2 5 2 2 5 2 2 2 2 2 2	Nativity, etc. United States	11 12 316 81 17 34 8 10

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, PHILADELPHIA,

DURING THE WEEK ENDING SATURDAY, DECEMBER 31, 1881.

RAIN	i,	00.	*	.40	*	.62	.05	00,	1.04
HER.	11-07 P.M.	Clear	Light Rain	Clear'g	Foggy	Cloudy	Cloudy	Fair	
STATE OF WEATHER,	7-07 A. M. 8-07 P. M. II-07 P.M.	Clear	Cloudy	Cloudy	Clear'g	Cloudy	Fair	Clear	48.4
STATE	7.07 A. M.	Clear	Cloudy	Heavy Rain	Foggy	Cloudy	Fair	Clear	
2.6	M.970-11	4	Н	4	-	4 20	5	-	1
VELOC'Y OF WIND	N.4 70.8	1-	-	4	-		4	10 12	
VE	.M.A 70-7	64	4	0	1-	6.1	1-	10	l i
N.C	.М. Ч70-11	*	闰	MM	BE	NW	M	×	
DIRECTION OF WIND.	'W'd 20-8	SW	S W	S W	H	00	W	W	
DIR	.M.A.70-7	W	W	0	田	SC E	M	NW	
VE	'W'-d20-11	85	100	93	100	92	88	54	1
RELATIVE	.M.4 70.8	11	12	87	001	001	51	89	1
REL	.W.A 7.07	77	75	001	100 100 100	001 001	21	133	
1-0	.minimim.	90	#				35	22	1 :
ER.	.maminaM	17	150	27	88	53	11	34	
THERMOMETER.	Mean Daily Value.	37 38 0 47 28	37 50 46 44 3 51 34	56 62 57 58 3 62 44	50.0 58 47	46 48-1 53 40	38.3	27 27.0	43.4
ERS	M.470-11	37	46	57	47 52 51	46	35	27	;
TH	8-07 P. M	47	20	62	55	47 51	43	31	:
	.M .A70-7	30	25		47		950	23	
7	Mean Daily Value.	30-41	30.55	29.81	29-97	29.57	29.58	29.77	29.90
IETER.	.M.970-11	30-37	30-11	29.85	30.01	29.43	59.64	29.87	
BAROMETER.	.M .4 70-8	30-39 30-37	30.33 30.22 30.11	29.85 29.72 29.85 29.81	29-94 29-95 30-01 29-97	29.84 29.45 29.43 29.57	29.55	29-74 29-72 29-87	
	7-07A. M.	30-46				29.84	29.54	29-74	
Month and Day.	1881. DECEMBER,	Sunday, 25	Monday, 26	Tuesday, 27	Wed'sd'y,28	Thursd'y,29	Friday, 30	Saturday, 31	Means

* Precipitation too small to measure. The surface of the mercury in the cistern of Barometer is 46'9 feet above the mean level of the sea. Barometer corrected for temperature, elevation above sea, and instrumental error.

TABLE XIII.

Marriages, Births, and Deaths for each month during the year 1881.

1881. Months.	Marriages.	Births.	Deaths.
January	545	1,647	1,527
February	517	1,515	1,592
March	462	1,504	1,924
April	621	1,386	1,661
May	617	1,437	1,747
June	652	1,403	1,224
July	52 0	1,601	1,840
August	471	1,554	1,972
September	663	1,532	1,508
October	854	1,502	1,368
November	833	1,488	1,338
December	814	1,585	1,814
Totals	7,569	18,154	*19,515

Marriages 8.72 in every 1,000 of the population. Births 22.06 in every 1,000 of the population. Deaths 22.48 in every 1,000 of the population.

^{*}Premature births and still-born excluded.

TABLE XIV.

Total deaths from Fevers each week during the year 1881.

157

We eks e	•	Bilious.	Brain.	Catarrhal.	Intermittent,	Lang.	Malarial.	Miliary.	Nervous.	Puerperal.	Remittent.	Rheumatic.	Scarlet,	Typhoid.	Typhus.
anuary	8	—					_			—			12	6	
ациагу	15			•••••	•••••						1		14	9	1
**	22				1					2		1	5	12	
44	29				1					2 3			15	5	
'ebruary	5									ĭ			.9	9	
"	12 19	•••••		1						1			13	9	
44	26	•••••				******	•••••		•••••				6	8	•••
Iarch	5									2 1 1 2 2 1			8	4	
44	12						! ! •••••		١	ī		•••••	13	6	
**	19						1	·		1			7	9	
44	26					•••••	1			2	2		6	8	
pril	2 9			•			1		•••••	2		•••••	8 12	10	•••
44	16			•••••	•••••	•••••		•••••		i	1		12	12	•••
46	23		•••••		•••••			•••••			i		5 12	19	١
44	30									2 2			14	9	١
[ay	7									2			14	11	
"	14				1				1		1	ļ. .	19	6	
"	21			1	•••••		1						12	5	
une	28 4									1 3			20 11	10 6	•••
44	11		•••••								2	•••••	14	6	١
44	18										<u> </u>		10	š	١
44	25		1							1			16	4	
uly	2						 			1	1		16	4	
"	.9		•••••					,	•••••	1			22	6	٠
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	13				i		2						4	15	
	20	l		i						1	1		4	20	
" eptembe	27							¦				•••••	7 10	14	
eĥtempe	r 3 10						1				2		10 15	26 18	.:
44				1				•••••		i	•		19	20	
44	24				1		1 1 1 4 7 6	' • • • • • • • • • • • • • • • • • • •			1		3 5 7	12	١
ctober	1						î			1		1	7	28 24	
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ovembe							6						6	17	
16	12						Ιĭ			ı	1		8	18	l
"	19						3			î	1		Š	30	i
"	26						1 3 6 2 3				1		8 3 2 7 6	20	٠
ecember	. 3	 		 	1		6		·····		2		7	14	٠
"	10		····			•••••	2	•••••		•••••			6 5	13 12	···
**	24			1			3 3			•••••			6	12	٠
**	31			•••••	•••••		9	•••••	•••••	1		•••••	9	14	

TABLE XV.—CHOLERA INFANTUM, JUNE, 1881. Deaths per Diem, with Meteorological Observations, etc.

f the h.	per	тн	ERMOMET	ER.	BAROME- TER.	shes.	in se
Days of the month.	Deaths per diem.	Mean daily value.	Maxi- mum.	Mini- mum.	Mean daily value.	Rain, inches.	Prevailing winds.
1	1	70.7	82	65	29.74	1.28	E
2		60.5	66	57	29.81	.10	SE
8	1	55.5	59	54	29:69	•15	E
4	1	60.2	69	52	29.77	.01	NW
5		67.5	75	57	29.83		w
6	2	62.2	69	57	30.04		E
7		59.7	63	54	30.08	.07	s
8	2	72.7	88	62	29.81	·04	\mathbf{w}
9		58.7	69	55	29 490	.70	E
10		54.5	58	51	29.96	•31	NE ·
11	 	61.2	68	51	30.08		\mathbf{E}
12 .		67.5	78	56	30.11		E
13	2	61.2	71	56	30.07		E
14	8	70.4	80	55	29.90	.01	$\mathbf{s}\mathbf{w}$
15		78.4	82	64	30.02		N
16	1	68.3	74	60	30.08		w
17	2	67 *8	78	61	29.75	•46	E
18	1	75.2	86	65	29.82	.08	$\mathbf{N}\mathbf{W}$
19	1	77.1	86	65	29.79	•08	\mathbf{w}
20	4	73.6	83	68	29.78	.08	\mathbf{w}
21	8	67*4	75	60	29.81		N
22	1	63.1	71	54	29 • 94		N
23	4	66.5	73	56	30.04		NE
24	4	65.2	73	53	30.12		N
25	1	68.4	77	58	30.14		s
26	7	69.5	77	62	-30.09	.02	${f E}$
27	5	68.9	73	61	29.97	•16	8
28	5	79.5	88	67	29.74	•02	\mathbf{w}
29	11	78.2	89	72	29.70	•13	\mathbf{w}
30	10	76.0	82	69	29.84		N

TABLE XVI.—CHOLERA INFANTUM, JULY, 1881.

Deaths per Diem, with Meteorological Observations, etc.

r the h.	per	THI	ERMOMET	ER.	BAROME- TER	-f.zi	ing 8.
Days of the month.	Deaths per diem.	Mean daily value.	Maxi- mum.	Mini- mum.	Mean daily value.	Rain, inches.	Prevailing Winds.
1	5	74.3	80	64	30.00		E
2	4	72.0	81	63	30.18		\mathbf{E}
3	7	74.0	87	62	30.02		\mathbf{w}
4	9	79:3	89	70	29.92		N
5	19	79.3	88	70	29.91		w
6	23	84.9	93	73	29.91		W
7	19	79.3	91	68	29.98	*_	\mathbf{s}
8	18	71.7	83	66	28.98		\mathbf{E}
9	16	72.0	80	64	30.13		\mathbf{E}
10	14	76.5	86	67	30.10		\mathbf{w}
11	19	77.8	86	68	30.01		N
12	15	71.7	80	64	30.03	·13	E
13 .	18	81.2	94	68	29.93	*_	w
14	17	82.0	. 90	74	30.02	*	N
15	19	77.7	85	71	30.10		E
16	24	77.0	86	67	29.92	•46	\mathbf{w}
17	17	74.7	83	68	29.73		NW
18	13	72.7	80	60	29.71		NW
19	23	74.8	85	66	29.78	.02	NW
20	16	78.6	87	65	29.84		\mathbf{w}
21	14	79.3	88	71	29.71		N
22	15	71.0	77	66	29.74	*_	w
23	15	73.3	82	64	29.80		N
24	7	78.7	88	67	29.95		w
25	15	78.6	89	69	29.87		w
26	9	72.9	86	72	29.87		NW
277	10	74.3	82	67	29.89	.02	w
28	15	70.8	83	64	30.10		NW
29	7	67.3	80	65	30.54	•	E
30	7	70.7	71	66	30.19	-09	E
31	11	70.7	75	66	30.19	.22	E

TABLE XVII.—CHOLERA INFANTUM, AUGUST, 1881.

Deaths per diem, with Meteorological Observations, etc.

ц	, i	TH	ERMOMET	ER.	BAROM'R.		8
Days of the month.	Deaths per diem.	Mean daily value.	Maxl- mum.	Mini- mum.	Mean daily value.	Rain, inches.	Prevail- ing winds
1	3	75.2	85	68	30.12		\mathbf{w}
2	16	76.3	86	70	30.09	•06	s
3	13	81.0	89	69	30.09		s
4	10	82.2	96	73	30.06		\mathbf{w}
5	9	84.2	94	77	30.03		8
6	15	82.7	94	75	29.96		\mathbf{w}
7	12	73.0	88	69	29.89	•66	NW
8	3	73.2	81	63	30.02		N
9	8	75.8	84	65	29.89	•08	\mathbf{w}
10	3	79.3	90	72	29.77		\mathbf{w}
11	6	72.3	82	63	29.97		\mathbf{w}
12	7	75.7	85	66	29.91		w
13	13	83.0	99	69	29.71	•20	\mathbf{w}
14	10	72.0	79	65	29.85		N
15	8	71.2	78	63	30.05		\mathbf{E}
16	5	67.3	74	64	30.12		E
17	2	63.3	69	59	30.14	•14	E
18	4	64.3	67	59	30.04	.01	\mathbf{E}
19	5	66.9	79	63	29.90	•01	s
20	2	74.8	80	66	29.78		N
21	4	76.5	89	69	29.77	.08	N
22	3	75.0	83	67	29.94		N
23	3	73*8 .	, 83	64	30.13		N
24	3	72.7	84	65	30.25		E
25	8	70.8	82	62	30.29		s
26	6	73.1	85	62	30.26		\mathbf{w}
27	6	73.0	84	64	30.22		\mathbf{w}
28	4	74.2	87	62	30.12		w
29	2	78.3	92	68	30.50		sw
30	4	80.3	93	70	30.24		$\mathbf{s}\mathbf{w}$
31	7	79:3	93	69	30.15	<u>[</u>	w

TABLE XVIII.—CHOLERA INFANTUM, SEPTEMBER, 1881.

Deaths per diem, with Meteorological Observations, etc.

Dec	uns per				cai Ooser	vations,	ew.
he	er	Тн	ERMOMET	ER.	BAROM'R.		90
Days of the month.	Deaths per diem.	Mean daily value.	Maxi- mum.	Mini- mum.	Mean daily value.	Rain, inches.	Prevailing winds.
1	2	77.7	87	70	29.94		w
2	6	77.0	86	78	29.89		E
3	. 1	73.7	82	68	29.98	.01	SE:
4	3	69.7	. 76	65	30.15		s
5	3	76.7	87	67	30.12		\mathbf{sw}
6	2	81.3	· 98	72	30.14		\mathbf{w}
7	3	86.8	101	. 72	30.08		W
8	4	82.2	95	72	30.15		
9	4	77.0	84	70	30.09		św
10	5	74.1	78	71	29.99	.30	E
11	2	72.0	80	67	30.00		8
12	3	72.3	79	66	30.03		NE
13	3	71.9	83	62	30.10		NE
14	2	69.0	80	60	30.22		E
15	3	68.2	75	62	30.51		$\mathbf{s}\mathbf{E}$
16	5	70.8	74	62	30.26		se
17	3	66.0	73	61	30.34		${f E}$
18	4	68.0	81	54	30.17		${f E}$
19	1	75.8	86	65	29.96		N
20	2	74.7	84	65	29.98		\mathbf{w}
. 21	2	69.0	77	64	30.09	[······	E
22	1	70.3	80	61	30.17		sw
23	2	74.7	85	66	30.09	.05	\mathbf{w}
24	4	77.0	88	67	30.09		sw
25	3	78.7	88	71	30.07		\mathbf{w}
26	5	79.3	92	69	30.06		\mathbf{sw}
27	5	79.3	89	69	30.02		w
28	. 1	79.3	89	71	30.07		\mathbf{w}
29	8	73.7	82	68	30.58		E
80	6	78.3	88	69	30.28		sw

TABLE XIX.—Meteorological Observations taken at the Signal Office, Philadelphia, Pennsylvania, furnished by T. F. Townsend, Sergeant Signal Corps, U. S. A.

rsin	мріср	uo sa	8b 10 190	Mum	22222222	, ;
('1	redtha	puny	рив вэцэ	aI)	86821683429	
.won	elted a	m to n	int of rai	пошУ	op 44 op (4) op (4)	30.51
_	-ınp	ocity	month,	ilxaM gal	38418488 488	25
WIND	.89	lim lo	19quuu	Total	11, 8, 7, 452 6, 6, 6, 6, 7, 17, 17, 17, 17, 17, 17, 17, 17, 17,	4,887
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Local ()	lity. oent	humid s, (Pe	relative ervation	пвэМ або		77.5
	GE.		:wnu	Minin	*-884588282	21.5
THERMOMETER.	RANGE		·wnw	ixsM	#2288825 6 7. 6	4 1 :
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		-	Мопты	Mean	28288888 267575788888	54.2
	RANGE.		.36	Lowes	**************************************	29.483
	BA		.18	Нівп	86.5288.889.899.3889.3899.3899.3899.3899.389	30.667
BAROMETER.	!	ons.	Corrected for temper- ature, instrumental error & elevation.	Mid- Mid- night.	88.88.88.88.88.88.88.88.88.88.88.88.88.	30.193
BARO	N OF	Telegraphic Observations.	ed for temp instrumen & elevation	3.07 P.M.	88888889999999999999999999999999999999	30.140
	MEAN	F6	Correcte ature, error	7.07 A.M.	88888888888888888888888888888888888888	30.008
		•.	Мопену	п вэМ	25	30·175
		DATE.	1881.		January February March May June July September September	December Annual Means.

GENERAL REMARKS.

JANUABY.—Temperature 5.7° below average; below 32° on 29 days; Delaware river obstructed by ice entire month; an excess of snow and rain; clear days 5; fair days 14; cloudy days 12.

FEBRUARY.—Temperature 3.9° below average; below 32 on 22 days; an encess of 1.59 inches precipitation; heavy snow 1st; clear days 8; fair days 14; cloudy days 6.

MARCH.—Temperature below 32° on 11 days; precipitation normal; frequent frosts; Thunder storm 30th; clear days 6; fair days 13; cloudy days 12.

APRIL.—Temperature 2.5° below average; below 32° on 5 days; light snow lst and 6th; precipitation light; thunder storm on 26th; clear days 8; fair days 12; cloudy days 10.

MAY.—Temperature normal; above 90° on 2 days; last frost observed on 8th; thunder storms on 12th, 15th, 22d and 30th; slight excess of precipitation; heaviest on 18th; clear days 11; fair days 10; cloudy days 10.

JUNE.—Highest temperature 89.5°; abundant rains; heaviest on 1st; thunder storms on 17th, 19th, 20th, 26th, 27th and 29th; clear days 6; fair days 13; cloudy days 11.

JULY.—Temperature normal; highest on 6th; above 90° on 4 days; fogs occurred on 4th,8th,9th,10th,11th,18th,15th,16th,19th,20th,20th,21st,22d,25th,26th,27th,and 29th, mostly in the morning; clear days 13; fair days 13; cloudy days 5.

AUGUST.—Highest temperature on 13th; lowest on 17th and 18th; above 90° on 7 days; clear days 18; fair days 9; cloudy days 4.

SEPTEMBER.—Temperature 10·15° on 7th; above 90° on 4 days; light rain fall; 80 occurring in one day; heavy hall storm passed south of Philadelphia on 3d; clear days 13; fair days 10; cloudy days 7.

OCTOBER.—Highest temperature on 1st; lowest on 11th; a killing frost reported in surrounding country on 6th; thunder storm on 30th: clear days 8th; fair days 15; cloudy days 8.

November.—Temperature 4.5° above average; below 32 on six days; rainfall 1.58 below average; first snow on 23d; several frosts; clear days 13; fair days 2; cloudy days 15.

DECEMBER.—Lowest temperature on 31st; below 32° on 13 days; very little doe or snow; clear days 10; fair days 8; cloudy days 13.

TABLE XX.

Total Deaths from Typhoid Fever from 1861 to 1881, inclusive, by Wards.

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	8	######################################
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5	12	
WARDS		822012318216281123886218
	91 9	020088711222448977-5019288
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	-	F4888844488558891888938
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	70	04888400001741487707408
	4	<u>217.588</u>
	60	4H4887-05054-450HH50400
	21	<u> &%84888886~878</u> 85578287588
	-	
	Girla,	3128858888318482488888888
	Boys.	######################################
89	Fems.	882888308488911281488888888888888888888888888888
•	Males	88308389 883 883 883 883 883 883 883 883 883
•	Totals	\$48.45.50
YEARS.		
		1886. 1886. 1886. 1886. 1887. 1887. 1887. 1888. 1888.

New Ward (25th) formed, formerly part of Nineteenth and twenty-third Wards.

New Ward (25th) formed, formerly part of Twenty-fourth.

New Ward (25th) formed, formerly part of Twenty-second.

New Ward (38th) formed, formerly part of Twenty-second.

New Ward (38th) formed, formerly part of Twenty-second.

TABLE XXI.

The following table shows the number of Deaths from Typhoid Fever in each of the past twenty-one years, from 1861 to 1881, inclusive, in each division of age, with the adults, minors, and total.

•8	LatoT		258833383333333333333333333333333333333	
.81	ouiM	i	82888888888888888888888888888888888888	3250
.81	lubA	j	58222822888888888888888888888888888888	6637
***************************************	91	120		
	8	2		
	8.	8	-	7
	88	86	ಚಿಕ್ಕಾಗು ಕಾರ್ಯದ ಗಣಗ ಗಾರ ಕಡಕಾಡಿ ಚಿಕ್ಕ	88
	8	8	120 24 28 10 10 10 10 10 10 10 10 10 10 10 10 10	236
	8	2	555588888888888888888888888888888888888	486
	8	8	1282 26888282828224228	44
ES.	64	28	884488888888888888888	006
AGES	88	a	88825188464848485188244681	1448
	8	ඝ	252 210 210 210 210 210 220 230 24 250 250 250 250 250 250 250 250 250 250	2849
	15	ล	8882888438888438888888	1336
٠	01	12	**************************************	619
	5	2	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	88
	61	۵.	8864888353535548884888	49
	7	67	477-67-80-86888888900-8646	126
	nder year		19100 4100000 0100 70004	98
	Years.		1861 1862 1864 1864 1866 1866 1870 1871 1871 1877 1877 1876 1877 1876 1877 1877	Totals

TABLE XXII.

The following table exhibits a General Summary of Deaths, Male and Female, from Typhoid Fever,

for the past twenty years.

Dec'r.	足	58288888888888888888888888888888888888
De	Ä	84885585518554866455444
į,	E.	81888888314°8
Nov'r.	Z.	288250000000000000000000000000000000000
ř.	Œ.	表記
Oet'r.	ž	284728252525222222
	E	35588888888888888888888888888888888888
Sept'r.	M.	\$
36	Ŀ.	r ₀ 68825286385386388548
Aug.	K.	88888888888888888888888888888888888888
ż	E.	20488888888855882087
July.	M.	\$\$\$\$\$19512°8813881388
	E.	47-81818181818181818181818181818181818181
June.	Ä	82820222222222222222222222222222222222
· ·	F.	5258°72384481358842338
May.	₹	818877788817758857588
i	ß.	875845450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
April	Ä.	8284~85455511758875588
	£.	884848848848848
March.	Ä.	828571158815883813858
	E.	2528275002754842282757
Feb'y.	М.	4222222242
	ß.	200004011200211200212
Jan'y.	М.	882283482747233443783
	Totals.	\$\$\$\$£\$
	Y EARS,	1982 1983 1984 1985 1986 1987 1971 1971 1971 1976 1976 1976 1977 1977

TABLE XXIII.

The following table exhibits a General Summary of Deaths, Male and Female, from Soarlet Fever,

for the past twenty years.

		1225382845424338985455
Dec'r.	<u></u> -	
<u>a</u>	K.	2043880385000183588408
v'r.	Ŀ	000888-134400000000000000000000000000000000000
Nov'r.	×	2-2851-0420-1840E9258
Ĭ.	E.	
Oct'r.	Ä	202020280848-44
ťr.	E	80000000000000000000000000000000000000
Bept'r.	×	25-1100000000000000000000000000000000000
Aug.	E.	82-0858888888888888
Ψſ	K.	
	E.	822552808805578088502
July.	į.	20252300082101138125508
o o	E.	821550815555515880000
June.	¥ .	8288828822984258228
· ·	14	25.02720487.08388838184
Мау	×	25122820252808525252525
11.	E.	28°8825862-8278558
April	×	831833558555585878878
	E.	82241848680848808
March.	Ä	8º28273328º8332123288
<u>,</u>	ß.	2212882 x 25252347 x 2525
Feb'y	×.	F544884885555748883558
, S	F	\$0088412840788838438
Jan'y	ž.	21038808250012488182008
	.alatoT	42,28,34,28,34,24,24,34,34,34,34,34,34,34,34,34,34,34,34,34
	Years	888 888 887 887 888 887 888 887 871 871

TABLE XXIV.

The following table exhibits a General Summary of Deaths, Male and Female, from Consumption, for the past twenty years.

ř.	k.	1862 1962 1962 1963 1963 1963 1963 1963 1963 1963 1963
Dec'r	Ä.	23888682482682223882 <u>4</u>
i.	<u>F.</u>	<u>%888888888888888888888888888888888888</u>
Nov'r	×	888388388888888888888888888888888888888
	F.	8878598888888888888
Oct'r.	Ä	<u> </u>
Sept'r.	E.	158978888214611222E885
- Se	X.	<u>\$64888888888888888888888888888888888888</u>
Aug.	F.	<u>&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&</u>
₹	X.	558282388338833883388333883333
<u>ا</u> خ	F.	<u>\$888887813888888888888888888888888888888</u>
July	×	&\$£\$2\$£\$\$\$\$\$\$\$\$£ <u>\$</u>
je.	E.	8835858383858385888
June.	Ä.	& <u></u>
May.	F	######################################
Ä	Ä.	823813838138381368813688138813881388138813
April.	Ŀ	8988888888888888888888888
Αp	M.	82188222228338655583
March.	F	52852888252525888355825258
Ma	X.	FE11518888885888888888888888888888888888
Feb'y.	F	828888888888888888888888888888888888888
Fe	Ä	\$F\$E1882835552835555
1,4.	E.	9446511981138188883318
Jan'y	×	8888511108882811126111811
	Totals.	4-144-1-1-14444444444444 \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
•	YEARS.	1842 1846 1846 1846 1847 1847 1871 1871 1871 1871 1871 1871

TABLE XXV.

Mortality in each month, from all causes, during the year 1881.

.895	ge IIA	1,527	5,043	1,1861	4,632	1,840	5,320	1,1,1 888 84 84 84	4,520	19,515
.8	Minor	888	2,079	88.88	2,071	1,150 1,071 748	2,964	715	1,893	9,007
.8	llubA	906 1,131	2,964	38	2,561	362 262 263 263 263 263 263 263 263 263	2,356	1,099 1,099	2,627	1,10,508
	1 1 1 2	<u> </u>	i I	7	Ī				İT	٦
	813	187	100	8001	2	-	-	14	2	17
	8 8	1-0000	89	घळ	22	122	88	ထောင်	12	112
	8 8	83.58	211	888	167	& 128	187	译48.	180	692
	8 8	288	器	ख्रस्र	8	282	255	885	273	1, 195
	8 8	888	\$	<u> </u>	367	20175	88	887	25	1,413
	28 88	1882	\$	877.22	828	2528	311	888	88	1,385
	# B	255	14	2583	\$	5223	88	2128	\$	1,647
AGES.	8 3	8528	153	452 2	481	233	461	45 58	28	1,985
A G	8 8	8578	88	199	513	889	487	167 146 216	529	2,111
	2 8	&18.28	155	8:82	149	8333	130	345	25	602
	01 22	8888	121	888	115	ឧଞ୍ଞ	88	748	182	387
	2 2	123	216	388	183	823	206	2882	241	86
	67 10	888	\$	#321 #321	422	3552	325	888	392	1,540
	1 2	8228	88	22g	264	255 155 155 155 155 155 155 155 155 155	473	888	883	1,365
	Under 1 year.	8528	858	305 315 270	068	774 605 372	1,751	***************************************	720	4,219
	Girls.	886	1,025	88.8	1,083	45.88 gg	1,469	882	913	4,4
	Boys.	88.4 20.88.4	1,054	£888	1,038	9988 858 858	1,495	828 874 874	8	4,567
les.	Femai	25.588 2888	2, 470	827 870 882	2,295	876 946 762	2,584	888	2,217	9,286
	Males,	788 885 885	2,573	88 158 88	2,337	1,884 2,686 24,786	2,736	£32	2,308	9,949
1881 23	NON THE	January Februa'y March	Total	April May June	Total	July	Total	October Novm'br Dec'mb'r	Total	Totals

TABLE XXVI.

The following table will show the number of Small Pox cases and Deaths in each week during the year 1881.

	Jo .	İ		5	
1881. Weeks ending	Number cases.	Deaths.	1881. Weeks ending	Number cases.	Deaths.
January 8	271	55	July 2	54	18
''15	192	40	''9	70	16
22	236	47	''16	42	14
29	186	54	23	39	10
February 5	189	61	''80	36	12
''12	166	49	August 6	45	11
· ·	162	49	''18	44	12
26	194	44	20	32	10
Mar ch 5	132	49	27	34	10
12	168	45	September 3	62	9
''19	125	37	10	80	25
· · · · · · · · · · · · · · · · · · ·	150	43	17	39	10
April 2	123	41	24	27	12
'' 9	129	36	October 1	44	11
16	126	37	8	40	7
23	148	33		26	11
''30	132	42	22	42	9
May 7	146	35	29	34	6
14	134	35	November 5	42	13
21	149	23	12	88	11
"28	94	29	''19	40	18
June 4	105	27	26	54	16
· ·11	118	. 29	December, 3	71	14
18	64	20	''10	56	20
25	119	15	''17	50	16
			24	66	11
			''31	98	29
			Totals	5 108	1836

e year 1881.

Weeks
250
250

Scale of Cases
150 Cases



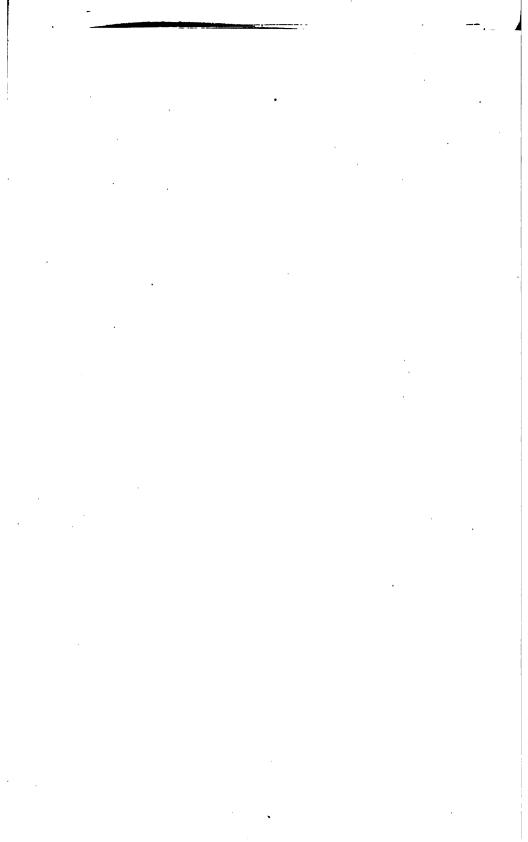


TABLE XXVII.

Monthly return of Small Pox cases in each month during the year 1881.

Total.	\$662854558828358883588888888888888888888888	5,108
Dec'r.	### ##################################	338
Nov'r.	\$\$\$ −\$\$\$\$0.5\$	7
Oct'r.	%4∞ವ⊔∞৮4 ವಾಬಾರಾಬಾ⊦ಹವರಾಗುವ ವಿಜವವ №4∞⊐	981
Sept'r.	88xr444 r - 1 r 00r x x 5 8 7 7 4 4 1 1	808
Aug.	Brosum a Launeraa, Letterum	155
July.	\$4.050mm4	241
June.	55xxx7-34-44 24x1-224- 2xx8x 2xx1x	4 08
May.	\$\$\pi\$2\pi\$2\pi\$2\pi\$\pi\$2\pi\$2\pi\$2\pi\$	88
April.	844844-84000000000000000000000000000000	828
Jan'y. Feb'y. March.	841284252001200120012000232252000880088008	575
Feb'y.	\$\$\$`!\$\$\@\@\@\\\\\\\\\\\\\\\\\\\\\\\\\\\	117
Jan'y.	gasagaspa-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
WARDS.	First Second Third Filth Sixth Sixth Sixth Sixth Eighth Thirteenth Filteenth Filteenth Filteenth Sixteenth Sixteenth Filteenth Filteenth Twenty-filth Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-second Twenty-filth Twenty-filth Twenty-second Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-second Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Twenty-filth Thirtieth	Totals

TABLE XXVIII.

The following table will show the number of Small Pox cases and deaths, with the ratio of deaths in each ward, during the year 1881.

Second	Second	WARDS.	Cases.	Deaths	Ratio of deaths to cases.
Third 127 30 1 in 4° Fourth 198 43 1 in 4° Fifth 170 33 1 in 5° Sixth 41 5 1 in 8° Seventh 173 28 1 in 6° Eighth 72 16 1 in 4° Ninth 38 8 1 in 4° Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Twelfth 40 2 1 in 20° Thirteenth 76 4 1 in 19° Fourteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Seventeenth 143 32 1 in 4° Seventeenth 143 32 1 in 4° Twenty-first 40 5 1 in 3° Nineteenth 191 46 1 in 4° Twenty-first 40	Third 127 30 lin 4° Fourth 198 43 lin 4° Fifth 170 33 lin 5° Sixth 41 5 lin 5° Sixth 41 5 lin 6° Eighth 72 16 lin 4° Ninth 38 8 lin 4° Tenth 54 lil lin 4° Tenth 58 14 lin 4° Tenth 40 2 lin 20° Twelfth 40 2 lin 20° Thirteenth 76 4 lin 19° Fourteenth 159 27 lin 5° Fifteenth 159 27 lin 7° Fifteenth 159 27 lin 7° Sixteenth 96 22 lin 4° Seventeenth 143 32 lin 4° Eighteenth 241 66 lin 3° Nineteenth 191 46 lin 4° <td>First</td> <td>676</td> <td>155</td> <td>1 in 4.3</td>	First	676	155	1 in 4.3
Third 127 30 1 in 4° Fourth 198 43 1 in 4° Fifth 170 33 1 in 5° Sixth 41 5 1 in 8° Seventh 173 28 1 in 6° Eighth 72 16 1 in 4° Ninth 38 8 1 in 4° Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Twelfth 40 2 1 in 20° Thirteenth 76 4 1 in 19° Fourteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Seventeenth 143 32 1 in 4° Seventeenth 143 32 1 in 4° Twenty-first 40 5 1 in 3° Nineteenth 191 46 1 in 4° Twenty-first 40	Third 127 30 lin 4° Fourth 198 43 lin 4° Fifth 170 33 lin 5° Sixth 41 5 lin 5° Sixth 41 5 lin 6° Eighth 72 16 lin 4° Ninth 38 8 lin 4° Tenth 54 lil lin 4° Tenth 58 14 lin 4° Tenth 40 2 lin 20° Twelfth 40 2 lin 20° Thirteenth 76 4 lin 19° Fourteenth 159 27 lin 5° Fifteenth 159 27 lin 7° Fifteenth 159 27 lin 7° Sixteenth 96 22 lin 4° Seventeenth 143 32 lin 4° Eighteenth 241 66 lin 3° Nineteenth 191 46 lin 4° <td>Second</td> <td>167</td> <td>44</td> <td>1 in 3.8</td>	Second	167	44	1 in 3.8
Fifth 170 33 1 in 5 Sixth 41 5 1 in 8 Seventh 173 28 1 in 6 Eighth 72 16 1 in 6 Ninth 38 8 1 in 4 Ninth 38 8 1 in 4 Tenth 54 11 1 in 4 Eleventh 58 14 1 in 4 Twelfth 40 2 2 in 20 Twelfth 76 4 1 in 19 Fourteenth 86 11 1 in 7 Fitceenth 95 22 1 in 5 Sixteenth 95 22 1 in 7 Seventeenth 143 32 1 in 4 Eighteenth 241 66 1 in 3 Nineteenth 521 113 1 in 4 Twenty-first 40 5 1 in 4 Twenty-first 40 5 1 in 4 Twenty-first 61 15	Fifth 170 33 1 in 5 Sixth 41 5 1 in 8 Seventh 173 28 1 in 6 Eighth 72 16 1 in 4 Ninth 38 8 1 in 4 Tenth 54 11 1 in 4 Eleventh 58 14 1 in 4 Twelfth 40 2 1 in 20 Thirteenth 76 4 1 in 19 Fourteenth 86 11 1 in 7 Fitcenth 159 27 1 in 5 Sixteenth 95 22 1 in 4 Seventeenth 143 32 1 in 4 Seventeenth 241 66 1 in 3 Nineteenth 521 113 1 in 4 Twenty-first 40 5 1 in 4 Twenty-first 40 5 1 in 4 Twenty-first 40 5 1 in 4 Twenty-first 40		127	30	1 in 4.2
Sixth 41 5 lin 8° Seventh 173 28 lin 6° Eighth 72 16 lin 4° Ninth 38 8 lin 4° Tenth 54 11 lin 4° Tenth 58 14 lin 4° Eleventh 58 14 lin 4° Twelfth 40 2 lin 20° Thirteenth 76 4 lin 19° Fourteenth 86 11 lin 7° Fitteenth 159 27 lin 5° Sixteenth 95 22 lin 4° Seventeenth 143 32 lin 4° Seventeenth 143 32 lin 4° Seventeenth 241 66 lin 3° Nineteenth 521 lil 3° lin 4° Twenty-first 40 5 lin 8° Twenty-first 40 5 lin 8° Twenty-second 29	Sixth 41 5 lin 8 Seventh 173 28 lin 6 Eighth 72 16 lin 4 Ninth 38 8 lin 4 Tenth 54 11 lin 4 Tenth 58 14 lin 4 Eleventh 58 14 lin 4 Twelfth 40 2 lin 20 Thirteenth 76 4 lin 19 Fourteenth 86 11 lin 7 Fitteenth 159 27 lin 5 Sixteenth 95 22 lin 4 Seventeenth 143 32 lin 4 Seventeenth 143 32 lin 4 Eighteenth 241 66 lin 3 Nineteenth 151 lin 4 Twenty-first 40 5 lin 8 Twenty-first 40 5 lin 8 Twenty-second 29 2 lin 14 <td>Fourth</td> <td>193</td> <td>43</td> <td>1 in 4.5</td>	Fourth	193	43	1 in 4.5
Seventh 173 28 1 in 6° Eighth 72 16 1 in 4° Ninth 38 8 1 in 4° Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Eleventh 40 2 1 in 20° Thirteenth 76 4 1 in 19° Fourteenth 159 27 1 in 5° Fifteenth 159 27 1 in 7° Fifteenth 159 27 1 in 7° Seventeenth 143 32 1 in 4° Seventeenth 143 32 1 in 4° Sighteenth 241 66 1 in 3° Nineteenth 191 46 1 in 3° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-firth 134 27 1 in 4° Twenty-firth<	Seventh 173 28 l in 6 Eighth 72 16 l in 4 Ninth 38 8 l in 4 Tenth 54 11 l in 4 Eleventh 58 14 l in 4 Twelfth 40 2 l in 20 Thirteenth 76 4 l in 19 Fourteenth 159 27 l in 5 Fifteenth 159 27 l in 7 Fifteenth 95 22 l in 4 Seventeenth 143 32 l in 4 Eighteenth 241 66 l in 3 Nineteenth 221 16 l in 3 Nineteenth 191 46 l in 3 Twenty-first 40 5 l in 4 Twenty-first 40 5 l in 8 Twenty-first 40 5 l in 8 Twenty-first 40 5 l in 4 Twenty-firth 29	Fifth	170	83	1 in 5.1
Eighth 72 16 l in 4° Ninth 38 * 8 l in 4° Tenth 54 11 l in 4° Eleventh 58 14 l in 4° Twelfth 40 2 l in 2° Thirteenth 76 4 l in 19° Fourteenth 88 11 l in 7° Fifteenth 95 22 l in 4° Seventeenth 143 32 l in 4° Seventeenth 241 66 l in 3° Nineteenth 521 l il 3° l in 4° Twentj-first 40 5 l in 4° Twenty-first 40 5 l in 8° Twenty-first 40 5 l in 8° Twenty-first 40 5 l in 4° Twenty-first 40 5 l in 4° Twenty-first 41 61 15 l in 4° Twenty-firth 29 2 l in 14° 1	Eighth 72 16 l in 4° Ninth 38 ° 8 l in 4° Tenth 54 11 l in 4° Eleventh 58 14 l in 4° Twelfth 40 2 l in 2° Twelfth 76 4 l in 19° Fourteenth 86 11 l in 7° Fifteenth 159 27 l in 5° Sizteenth 95 22 l in 4° Seventeenth 143 32 l in 4° Seventeenth 241 66 l in 3° Nineteenth 221 in 4° 1 in 4° Twentjefist 40 5 l in 4° Twenty-first 40 5 l in 4° Twenty-first 40 5 l in 4° Twenty-first 40 5 l in 4° Twenty-first 40 5 l in 4° Twenty-firth 29 2 l in 14° Twenty-firth <td>Sixth</td> <td>41</td> <td>5</td> <td>1 in 8.2</td>	Sixth	41	5	1 in 8.2
Ninth 38 8 1 in 4° Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Twelfth 40 2 1 in 2° Thirteenth 76 4 1 in 19° Fourteenth 86 11 1 in 7° Fitteenth 95 22 1 in 5° Sixteenth 96 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-first 61 15 1 in 4° Twenty-firth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-sixth 308 72 1 in 4° Twent	Ninth 38 8 1 in 4* Tenth 54 11 1 in 4* Eleventh 58 14 1 in 4* Twelfth 40 2 1 in 20* Thirteenth 76 4 1 in 19* Fourteenth 86 11 1 in 7* Fitteenth 159 27 1 in 5* Sixteenth 95 22 1 in 4* Seventeenth 143 32 1 in 4* Eighteenth 241 66 1 in 3* Nineteenth 521 113 1 in 4* Twenty-first 40 5 1 in 4* Twenty-first 40 5 1 in 4* Twenty-second 29 2 1 in 14* Twenty-first 61 15 1 in 4* Twenty-firth 289 81 1 in 3* Twenty-fifth 289 81 1 in 4* Twenty-sixth 308 72 1 in 4* Twe	Seventh	173	28	1 in 6.1
Ninth 38 8 1 in 4° Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Twelfth 40 2 1 in 2° Thirteenth 76 4 1 in 19° Fourteenth 86 11 1 in 7° Fitteenth 95 22 1 in 5° Sixteenth 96 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-first 61 15 1 in 4° Twenty-firth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-sixth 308 72 1 in 4° Twent	Ninth 38 8 1 in 4* Tenth 54 11 1 in 4* Eleventh 58 14 1 in 4* Twelfth 40 2 1 in 20* Thirteenth 76 4 1 in 19* Fourteenth 86 11 1 in 7* Fitteenth 159 27 1 in 5* Sixteenth 95 22 1 in 4* Seventeenth 143 32 1 in 4* Eighteenth 241 66 1 in 3* Nineteenth 521 113 1 in 4* Twenty-first 40 5 1 in 4* Twenty-first 40 5 1 in 4* Twenty-second 29 2 1 in 14* Twenty-first 61 15 1 in 4* Twenty-firth 289 81 1 in 3* Twenty-fifth 289 81 1 in 4* Twenty-sixth 308 72 1 in 4* Twe			16	1 in 4.5
Tenth 54 11 1 in 4° Eleventh 58 14 1 in 4° Twelfth 40 2 lin 20° Thirteenth 86 11 lin 7° Fourteenth 86 11 lin 7° Fifteenth 159 27 lin 5° Sixteenth 95 22 lin 4° Seventeenth 143 32 lin 4° Eighteenth 241 66 lin 3° Nineteenth 521 113 lin 4° Twentieth 191 46 lin 4° Twenty-first 40 5 lin 8° Twenty-second 29 2 lin 14° Twenty-fourth 194 27 lin 4° Twenty-fourth 194 27 lin 4° Twenty-fifth 289 81 lin 3° Twenty-sixth 308 72 lin 4° Twenty-seventh 44 6 lin 7° Twenty-sixth 308 72 lin 4° Twenty-siyth 302 *58 lin 5° Thirtieth 97 22 lin 4°	Tenth 54 11 1 in 4* Eleventh 58 14 1 in 4* Twelfth 40 2 lin 20* Thirteenth 76 4 lin 19* Fourteenth 86 11 1 in 7* Fifteenth 159 27 1 in 5* Sixteenth 95 22 1 in 4* Seventeenth 143 32 1 in 4* Seventeenth 241 66 1 in 3* Nineteenth 521 113 1 in 4* Twentieth 191 46 1 in 4* Twenty-first 40 5 lin 8* Twenty-second 29 2 lin 14* Twenty-fourth 134 27 1 in 4* Twenty-fourth 134 27 1 in 4* Twenty-fifth 289 81 1 in 3* Twenty-sixth 308 72 1 in 4* Twenty-seventh 44 6 1 in 7* Twenty-sighth 302 *58	• •	1	8	1 in 4.7
Eleventh 58 14 l in 4° Twelfth 40 2 l in 20° Thirteenth 76 4 l in 19° Fourteenth 86 11 l in 7° Fifteenth 159 27 l in 5° Sixteenth 95 22 l in 4° Seventeenth 143 32 l in 4° Eighteenth 241 66 l in 3° Nineteenth 521 l ll in 4° Twenteth 191 46 l in 4° Twenty-first 40 5 l in 8° Twenty-second 29 2 l in 14° Twenty-fourth 134 27 l in 4° Twenty-fourth 134 27 l in 4° Twenty-fifth 259 81 l in 3° Twenty-sixth 308 72 l in 4° Twenty-sixth 308 72 l in 4° Twenty-sighth 302 *58 l in 5° T	Eleventh 58 14 l in 4° Twelfth 40 2 l in 20° Thirteenth 76 4 l in 19° Fourteenth 86 11 l in 7° Fiteenth 159 27 l in 5° Sixteenth 95 22 l in 4° Seventeenth 143 32 l in 4° Eighteenth 241 66 l in 3° Nineteenth 521 l 13 l in 4° Twentetth 191 46 l in 4° Twenty-first 40 5 l in 8° Twenty-second 29 2 l in 14° Twenty-second 29 2 l in 14° Twenty-forth 134 27 l in 4° Twenty-forth 299 81 l in 3° Twenty-fifth 299 81 l in 4° Twenty-sixth 308 72 l in 4° Twenty-sixth 308 72 l in 4° <tr< td=""><td>• • • • • • • • • • • • • • • • • • • •</td><td>1</td><td>11</td><td>1 in 4.9</td></tr<>	• • • • • • • • • • • • • • • • • • • •	1	11	1 in 4.9
Twelfth 40 2 1 in 20° Thirteenth 76 4 1 in 10° Fourteenth 86 11 1 in 7° Fifteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 8° Nineteenth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-first 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-sighth 302 *58 1 in 5° Thirtieth 97 22 1 in 4°	Twelfth 40 2 1 in 20° Thirteenth 76 4 1 in 19° Fourteenth 86 11 1 in 7° Fifteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 8° Nineteenth 521 113 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-first 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 299 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° <		58	14	lin 4.1
Thirteenth 76 4 1 in 19° Fourteenth 86 11 1 in 7° Fifteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twentieth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-second 99 2 1 in 14° Twenty-first 61 15 1 in 4° Twenty-firth 299 81 1 in 3° Twenty-fifth 299 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° <	Thirteenth 76 4 1 in 19 Fourteenth 86 11 1 in 7 Fifteenth 159 27 1 in 5 Sixteenth 95 22 1 in 4 Seventeenth 143 32 1 in 4 Eighteenth 241 66 1 in 3 Nineteenth 521 113 1 in 4 Twentieth 191 46 1 in 4 Twenty-first 40 5 1 in 5 Twenty-second 29 2 1 in 14 Twenty-second 61 15 1 in 4 Twenty-first 61 15 1 in 4 Twenty-firth 289 81 1 in 3 Twenty-fifth 289 81 1 in 3 Twenty-sixth 308 72 1 in 4 Twenty-seventh 44 6 1 in 7 Twenty-seventh 44 6 1 in 7 Twenty-sixth 302 *58 1 in 5		1	2	1 in 20.0
Fourteenth 86 11 1 in 7: Fifteenth 159 27 1 in 5: Sixteenth 95 22 1 in 4: Seventeenth 143 32 1 in 4: Eighteenth 241 66 1 in 3: Nineteenth 521 113 1 in 4: Twentieth 191 46 1 in 4: Twenty-first 40 5 1 in 8: Twenty-second 29 2 1 in 14: Twenty-fourth 134 27 1 in 4: Twenty-fourth 134 27 1 in 4: Twenty-fifth 289 81 1 in 3: Twenty-sixth 308 72 1 in 4: Twenty-seventh 44 6 1 in 7: Twenty-seventh 44 6 1 in 7: Twenty-sixth 302 *58 1 in 5: Twenty-inth 294 55 1 in 5: Thirtieth 97 22 1 in 4: <	Fourteenth 86 11 lin 7 Fifteenth 159 27 lin 5 Sixteenth 95 22 lin 4 Seventeenth 143 32 lin 4 Eighteenth 241 66 lin 3 Nineteenth 521 li3 lin 4 Twentieth 191 46 lin 4 Twenty-first 40 5 lin 8 Twenty-second 29 2 lin 14 Twenty-third 61 15 lin 4 Twenty-fourth 134 27 lin 4 Twenty-fifth 289 81 lin 3 Twenty-sixth 308 72 lin 4 Twenty-seventh 44 6 lin 7 Twenty-eighth 302 *58 lin 5 Twenty-inth 294 55 lin 5 Thirtieth 97 22 lin 4 Thirtieth 97 22 lin 4 Thirty-first <td>- 0, 7</td> <td></td> <td>1</td> <td>1 in 19.0</td>	- 0, 7		1	1 in 19.0
Fifteenth 159 27 1 in 5° Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twenteenth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-fourth 134 27 1 in 4° Twenty-fourth 184 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-sighth 302 *58 1 in 5° Twenty-inth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3°	Fifteenth 159 27 1 in 5 Sixteenth 95 22 1 in 4 Seventeenth 143 32 1 in 4 Eighteenth 241 66 1 in 8 Nineteenth 521 113 1 in 4 Twentieth 191 46 1 in 4 Twenty-first 40 5 1 in 8 Twenty-first 61 15 1 in 4 Twenty-tourth 184 27 1 in 4 Twenty-fourth 184 27 1 in 4 Twenty-fifth 289 81 1 in 3 Twenty-sixth 308 72 1 in 4 Twenty-seventh 44 6 1 in 7 Twenty-eighth 302 *58 1 in 5 Twenty-inth 284 55 1 in 5 Thirtieth 97 22 1 in 4 Thirty-first 199 51 1 in 3 Municipal Hospital 282		!	, –	lin 7.8
Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twenteth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-fourth 61 15 1 in 4° Twenty-fifth 299 81 1 in 3° Twenty-fifth 299 81 1 in 4° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-seventh 44 6 1 in 7° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 282 282	Sixteenth 95 22 1 in 4° Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twentieth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 282 282	· · · · · · · · · · · · · · · · ·	""		1 in 5.8
Seventeenth 143 32 1 in 4° Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twentjeth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-firth 61 15 1 in 4° Twenty-firth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Seventeenth 143 32 lin 4* Eighteenth 241 66 lin 8* Nineteenth 521 113 lin 4* Twentieth 191 46 lin 4* Twenty-first 40 5 lin 8* Twenty-first 40 5 lin 4* Twenty-second 29 2 lin 14* Twenty-third 61 15 lin 4* Twenty-fourth 134 27 lin 4* Twenty-fifth 289 81 lin 3* Twenty-sixth 308 72 lin 4* Twenty-seventh 44 6 lin 7* Twenty-eighth 302 *58 lin 5* Twenty-ninth 284 55 lin 5* Thirtieth 97 22 lin 4* Thirty-first 199 51 lin 3* Municipal Hospital 282			1	1 in 4.3
Eighteenth 241 66 1 in 3° Nineteenth 521 113 1 in 4° Twentieth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 224 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Eighteenth 241 66 1 in 3 Nineteenth 521 113 1 in 4 Twentieth 191 46 1 in 4 Twenty-first 40 5 1 in 8 Twenty-second 29 2 1 in 14 Twenty-third 61 15 1 in 4 Twenty-fourth 134 27 1 in 4 Twenty-fifth 289 81 1 in 3 Twenty-sixth 308 72 1 in 4 Twenty-seventh 44 6 1 in 7 Twenty-eighth 302 *58 1 in 5 Twenty-ninth 224 55 1 in 5 Thirtieth 97 22 1 in 4 Thirty-first 199 51 1 in 3 Municipal Hospital 232		I	1	
Nineteenth 521 113 1 in 4° Twentieth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-fourth 194 27 1 in 4° Twenty-fourth 194 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-sighth 302 *58 1 in 5° Twenty-ninth 224 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232 232	Nineteenth 521 113 1 in 4* Twentieth 191 46 1 in 4* Twenty-first 40 5 1 in 8* Twenty-second 29 2 1 in 14* Twenty-third 61 15 1 in 4* Twenty-fourth 134 27 1 in 4* Twenty-fifth 289 81 1 in 3* Twenty-sixth 308 72 1 in 4* Twenty-seventh 44 6 1 in 7* Twenty-eighth 302 *58 1 in 5* Twenty-ninth 224 55 1 in 5* Thirtieth 97 22 1 in 4* Thirty-first 199 51 1 in 3* Municipal Hospital 282 282			1	
Twentieth 191 46 1 in 4° Twenty-first 40 5 1 in 8° Twenty-second 29 2 1 in 14° Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 224 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twentieth 191 46 1 in 4* Twenty-first 40 5 1 in 8* Twenty-second 29 2 1 in 14* Twenty-third 134 27 1 in 4* Twenty-fourth 134 27 1 in 4* Twenty-fifth 289 81 1 in 3* Twenty-sixth 308 72 1 in 4* Twenty-seventh 44 6 1 in 7* Twenty-eighth 302 *58 1 in 5* Twenty-ninth 224 55 1 in 5* Thirtieth 97 22 1 in 4* Thirtieth 97 22 1 in 4* Thirty-first 199 51 1 in 3* Municipal Hospital 282 282				
Twenty-first 40 5 1 in 8° Twenty-second. 29 2 1 in 14° Twenty-third. 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 8° Twenty-fifth 289 81 1 in 8° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-first. 40 5 1 in 8° Twenty-second. 29 2 1 in 14° Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 282 282			1	
Twenty-second. 29 2 1 in 14° Twenty-third. 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-second. 29 2 lin l4' Twenty-third. 61 15 lin 4' Twenty-fourth 134 27 lin 4' Twenty-fifth 289 81 lin 3' Twenty-sixth 308 72 lin 4' Twenty-seventh 44 6 lin 7' Twenty-eighth 302 *58 lin 5' Twenty-ninth 284 55 lin 5' Thirtieth 97 22 lin 4' Thirty-first 199 51 lin 5' Municipal Hospital 282				
Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-third 61 15 1 in 4° Twenty-fourth 134 27 1 in 4° Twenty-fifth 289 81 1 in 8° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 282 282			1	
Twenty-fourth 184 27 1 in 4° Twenty-fifth 289 81 1 in 3° Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 224 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-fourth 134 27 1 in 4* Twenty-fifth 289 81 1 in 3* Twenty-sixth 308 72 1 in 4* Twenty-seventh 44 6 1 in 7* Twenty-eighth 302 *58 1 in 5* Twenty-ninth 224 55 1 in 5* Thirtieth 97 22 1 in 4* Thirty-first 199 51 1 in 3* Municipal Hospital 232			1 -	
Twenty-fifth 289 81 l in 3° Twenty-sixth 308 72 l in 4° Twenty-seventh 44 6 l in 7° Twenty-eighth 302 *58 l in 5° Twenty-ninth 224 55 l in 5° Thirtieth 97 22 l in 4° Thirty-first 199 51 l in 3° Municipal Hospital 232	Twenty-fifth 289 81 l in 3 Twenty-sixth 308 72 l in 4 Twenty-seventh 44 6 l in 7 Twenty-eighth 302 *58 l in 5 Twenty-ninth 224 55 l in 5 Thirtieth 97 22 l in 4 Thirty-first 199 51 l in 3 Municipal Hospital 232			1	
Twenty-sixth 308 72 1 in 4° Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-sixth 308 72 1 in 4* Twenty-seventh 44 6 1 in 7* Twenty-eighth 302 *58 1 in 5* Twenty-ninth 284 55 1 in 5* Thirtieth 97 22 1 in 4* Thirty-first 199 51 1 in 3* Municipal Hospital 232				
Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232	Twenty-seventh 44 6 1 in 7° Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232			1	
Twenty-eighth 302 *58 1 in 5° Twenty-ninth 284 55 1 in 5° Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 3° Municipal Hospital 232 232	Twenty-eighth 302 *58 1 in 5' Twenty-ninth 284 55 1 in 5' Thirtieth 97 22 1 in 4' Thirty-first 199 51 1 in 3' Municipal Hospital 232	•			
Twenty-ninth 284 55 1 in 5 Thirtieth 97 22 1 in 4 Thirty-first 199 51 1 in 3 Municipal Hospital 282 282	Twenty-ninth 284 55 1 in 5 Thirtieth 97 22 1 in 4 Thirty-first 199 51 1 in 8 Municipal Hospital 282 282				
Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 8° Municipal Hospital 232	Thirtieth 97 22 1 in 4° Thirty-first 199 51 1 in 8° Municipal Hospital 232			1	
Thirty-first	Thirty-first			1	
Municipal Hospital	Municipal Hospital				
			199		1 in 3.9
5 100 1 220	5,108 1,336	Municipal Hospital		232	
	0,100 1,000		5 108	1 336	

Ratio of Deaths, 1 in 3.8.

^{*} Deaths in Twenty-eighth Ward does not include those buried in Municipal Hospital Grounds.

TABLE XXIX.

The following table will show the number of Small Pox cases and deaths in each ward during the year 1881, together with the population, area in square miles, etc.

-, -					
WARDS.	Population (census of 1880.)	Area in square miles.	Cases.	Deaths.	Ratio of deaths to cases.
First	43,085	5.509	676	155	lin 4.3
Second	28, 498	.442	167	44	1 in 3.8
Third	18,271	.191	127	30	lin 4'2
Fourth	18,853	229	193	43	l in 4.5
Fifth	16,368	-321	170	33	lin 5·1
Sixth	10,004	*321	41	5	1 in 8.2
Seventh	31,087	.439	173	28	1 in 6.1
Eighth	19,545	*435	72	16	lin 4.2
Ninth	12, 481	400	88	8	lin 4.7
Tenth	23, 363	359	54	11	lin 4.9
Eleventh	12,930	210	58	14	1 in 4·1
Twelfth	14,690	193	40	2	1 in 20.0
Thirteenth	18,646	259	76	4	1 in 19.0
Fourteenth	22,354	.300	86	11	1 in 7.8
Fifteenth	47,865	1.049	159	27	1 in 5'8
Sixteenth	17,802	281	95	22	1 in 4.3
Seventeenth	20,451	251	143	32	lin 4.4
Eighteenth	29,854	.650	241	66	1 in 3.6
Nineteenth	43,887	.698	521	118	lin 4.6
Twentieth	48, 207	•734	191	46	1 in 4.1
Twenty-first	19,699	7.129	40	5	1 in 8.0
Twenty-second	31,798	18.114	29	2	1 in 14.5
Twenty-third	26,522	42.716	61	15	1 in 4.0
Twenty-fourth	46,057	9.725	. 134	27	1 in 4.9
Twenty-fifth	36, 104	10.359	289	81	1 in 3.5
Twenty-sixth	35, 138	7.481	308	72	1 in 4.2
Twenty-seventh	23, 284	11.680	44	6	1 in 7.3
Twenty-eighth	34, 442	6.343	302	*58	1 in 5.2
Twenty-ninth	40,787	1.400	284	55	1 in 5·1
Thirtieth	29, 100	•519	97	22	1 in 4'4
Thirty-first	31,308		199	51.	1 in 3.9
Municipal Hospital				282	
Totals	846, 980	129,450	5,108	1,336	

^{*} Deaths in Twenty-eighth Ward does not include those occurring in Municipal Hospital.

Ratio of deaths, 1 in 3.8.

TABLE XXX.

Deaths in each year from Small Pox, from 1807 to 1881, inclusive, with the average population of each year and deaths to every 1,000 persons living.

Years.		Deaths.	Deaths to 1,000 liv'g persons.	Ye	ars.	Deaths.	Deaths to 1,000 liv'g persons.
807)		32	-28	1846)	- 1	251	-61
1808		145	1.28	1847	,	9	.02
809	oʻ	101	•90	1848	લાં	100	-24
810	111,210,	34	•30	1849	408,762	152	•37
811	Ξ.	117	1.04	1850	₹.	40	-09
812	<u>.</u>			1851	ا ۾	216	•52
813	Pop.		!	1852	Pop.	427	1.04
814		•••••		1853	- !	57	•13
815		•••••		1854		40	.09
816)		97	•77	1855	!	275	· 6 7
817		52	•30	1856		390	· 6 8
818		8	•05	1857		65	•11
819	137,097.	1	•••••	1858	انه	7	•01
820	8			1859	565.529	2	.008
821			• ;	1860	. ₹ 8	57	•10
822	Pop.			1861	ا يا	758	1.34
823	Ã	160	1.16	1862	Pop.	264	· 4 6
824		325	2.37	1863	-	171	•30
825		6	•04	1864		260	· 4 5
826		3	-01	1865		524	·92
827		100	•52	1866)		144	•21
828		107	•56	1867		48	·07
1829	<u>5</u>	81	•42	1868	ođ.	48	∙07
1830	188,797.	86	45	1869	674,022.	6	.008
831		14	•07	1870	874	9	•01
832	Pop.	37	19	1871		1,879	2.78
833	ď	156	.82	1872	Pop.	2,585	3.83
834		195	1.03	1870	н	39	.05
835		101	•53	1874		15	.02
1836		86	.33	1875	:	54	.08
1837		79	•34	1876	ا ہے	407	· 4 5
1838		42	:16	1877	8 €	155	•17
839	87.	. 5	•01	1878	846,980.	•••••	
840	288,087	68	•24	1879		6	∙006
841		259	1.00	1880	Pop.	424	•5
842	Pop.	156	•60	1881	P4 !	1,336	1.57
843	٩	36	.13	1882 J			
1844		17	•06	`			
1845		190	.78				,

TABLE XXXI.

Total weekly deaths (still-born excluded), with Meteorological Observations, etc.

		THE	RMOME'	rer.	BAROMETER.	RAIN.
1881.	Total weekly					
377	deaths (still-				•	
Weeks ending	born ex-	35	35	351	35	T 1
	cluded).	Mean.	Max.	Min.	Mean.	Inches
January 8	391	28:3	40	11	30.17	1.03
15	366	27:0	44	,9	30.06	2:00
44	368	30.3	42	17	30·11 30·25	.63
40	402	23.0	34 · 35	12	30.51	• 05
Febr'ary 5 12	405 407	18·2	61	17	30.58	1.06
" 19		32.4	47	21	30.28	1.92
19	411	30.4	44	10	30.20	
March 5	369	34.3	56	22	29.66	1.63
	381		- 56	25	29.82	
12	401	39.8	61	20 32	30.04	1:57
" 19 " 26	388 384	42·1 39·9	50	82 28	29.82	:76 :06
40	384 370	37.9	50 51	28 29	29.65	.76
April 2			53	29	29.58	.01
16	429 412	37·0 47·7	62	38	29 38	-35
" 23	412	51.1	$\frac{02}{72}$	38	29.71	.06
" 30			82		30.08	.08
00		62·9 54·8	. 68	45 42	30.00	•52
May 7 14	382	72.1	92	47	30.54	.10
" 21		58.8	82	47	30.05	1.97
· · 28		66.2	84	55	29.85	1.10
Tune 4	317 302	69.2	- 89	52	30.11	1.86
11	310	62.4	83	51	29.80	1.12
'' 18	276	69.2	86	.55	29.95	1.50
'' 25	318	67.9	86	53	29.97	·ĭĭ
fuly 2	320	74.1	89	61	29.95	•33
9		77.2	93	62	29.93	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
'' 16	477	77.7	94	64	29.98	-59
23	475	74.9	88	60	30.02	.02
'' 30		73.3	89	64	29.76	·11
	398	78.9	96	66	30.02	•28
August 6 13	450	76.0	99	63	30.08	-89
'' 20	400	68.5	80	59	29.88	.16
· · 27	349	73.6	89	62	29.98	.08
Sept'ber 3		71.5	93	62	30.12	.01
10	419	78.2	101	65	30.07	.30
'' 17	345	70.0	83	60	30.10	
'' 24	340	72.8	88	54	30.17	05
october 1	404	78.1	92	68	30.08	
44 8	347	62.9	81	37	30.15	19
'' 15		57.5	74	36	30.23	•59
" 22	341	61.6	85	46	30.27	.36
'' 29	341	57.3	69	40	30.19	•43
Nov'b'r 5	324	56.3	70	35	29.99	1.81
12	359	55.0	69	39	29.94	1.94
'' 19	328	50.9	68	38	30.51	.03
'' 26	327	36.5	47	24	30.23	64
Dec'b'r 3	355	44.0	61	30	30.26	•41
10	356	33.0	50	26	30.16	•14
'' 17	339	40.4	69	25	30.38	•51
'' 24	350	42.5	59	24	30.22	•54
'' 31	414	43.4	62	21	29.90	1.04

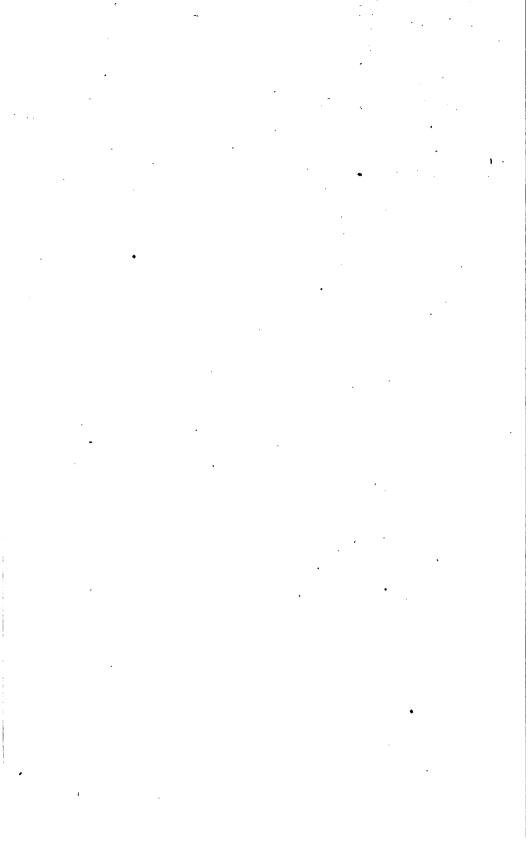
TABLE XXXII.

The following table will show the number of Still-births returned for the year 1881, monthly and by wards.

WARDS.	January.	February.	March.	April.	Мву.	June.	Jaly.	August.	September.	October.	November.	December.	Total.
First. Second. Third. Fourth. Fifth. Sixth. Seventh. Elghth. Ninth. Tenth. Eleventh. Thirteenth. Fourteenth. Sixtenth. Seventeenth. Elfteenth. Sixteenth. Seventeenth. Twenty-first. Twenty-first. Twenty-first. Twenty-firth. Twenty-firth. Twenty-sixth. Twenty-sixth. Twenty-seth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Twenty-sixth. Thirtieth. Thirtieth. Thirtieth.	32251 3213225 64461 1157552233	8 3 4 4 1 1 4 3 8 3 1 1 2 1 1 1 3 8 3 2 1 1 4 4 3 8 2 2 1 1 6 6 3 2 2 1 1	33352172 423152125541733244422721	5 4 4 1 4 2 2 2 4 4 4 3 2 2 2 1 3 2 2 1 3 3 7 2 1	514231261212214222533114232633	22241 1	8 1 4 4 4 3 3 1 3 5 5 5 2 2 3 4 4 9 1 3 3 2 3 3	41314 311121146132213341143362223111	5 3 3 3 1 1 1 1 2 2 1 1 4 4 3 3 4 1 1 1 4 3 3 1 1 4 3 3 1	8 1 1 22 11 11 11 14 44 44 11 4 11 4 1 4 1 4 4 1 4 4 4 1 4 4 4 1	4 6 3 1 1 1 1 1 2 4 1 1 3 3 2 2 1 1 2 1 3 4 4	42 11 23 21 82 25 34 11 14 35 22 22 36 33	533 229 322 322 323 176 35 187 712 121 422 155 50 20 228 144 426 163 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21
Totals	79	64	95	67	79	68	82	70	52	49	66	80	851

PREMATURE BIRTHS.—The number of premature births returned for the year was two hundred and forty-six (246).





Meteorological Summary for the past ten years, from the records of the Signal Office, U.S. A., Philadelphia, Pa., also the deaths in each month during the same period.

4	BA	BAROMETER.	ei ei	THE	THERMOMETER.	ER.	-nH	WI	WIND.		RAIN 0	RAIN OR SNOW	esths onth
1872.	Мевп.	Highest.	Lowest.	Мевп.	Highest.	Lowest.	Relative midity	Prevailing Direction.	Max'm Velocity	Total Movem't	dmomA ni sedont	Number of days onwhich it fell,	Total d
January	30.053	30.521	29.680	29.4	51	œ		M			96.0	6	2,536
February	30-011	30.649	29.490	31.2	29	21		NW			1.12	x 0	1,939
March	30.054	30.525	29.224	32.1	22	æ		WN			3.67	=	1,802
April	30.063	30.408	29.608	9.19	88	88		WNW			3.60	11	1,680
May	29.875	30.315	29.493	9.19	88	46		WNW		8,258	3.15	6	1,755
June	926.6%	30.028	29.211	72.1	88	92		wsw		6,894	.4 82	. 13	1,400
July	29.970	30.240	29.742	9.82	96	88		WSW		6, 526	9.30	81	3,243
August	30.045	30.300	29.696	75.8	85	28		aw Ms		5,370	1.81	16	1,666
September	30.049	30.302	29.761	9.49	36	5 2.		MN		4,761	3.66	10	1,130
October	30.105	30.220	29.611	52.9	75	34		MN		7,457	5.30	x 0	1,240
November	30.099	30.600	29.286	41.2	88	16		MN		6,381	3.40	6	866
December	30.160	30.286	29.648	6.83	51	9		MN		4,989	2.14	6	1,255
Mean	30.047			8.19									
Total											47.19	130	20,544

Total deaths in each month. 16,786

1,336

Number of days on wh'h RAIN OR SNOW 99 Amount finches. 54.62 1.38 10,380 7,739 7,252 6,330 7,412 86, 120 7,027 6,971 5,881 5,591 6,672 Total Movem't Макт'пл Velocity 었 Meteorological Summary.—Continued. Prevailing Direction. 64.6 Relative Hu-midity 2.92 6.68 56.4 <u>+</u> 8 ġ ġ .92 Ë ÷ <u>2</u> ġ Zero. LOWest. 2 THERMOMETER. Highest. 28 2 88.3 32.7 88.1 27.7 леэМ 29.090 919.67 29.290 087.68 609.67 29.620 899.6g 29.527 88 106.88 32 Lowest. ঠ্ন BAROMETER. 30.758 688.08 30.886 30.362 30.285 30.290 30.274 30.440 30.417 30.409 30.547 30.640 30.654 ні&реаг. 30.016 900.08 28.947 966.68 80.08 30.065 50.8030.165 30.041 30.001 Mean. July Mean..... January November..... August..... Total..... June October March.... September 1873 April..... December February

Meteorological Summary.—Continued.

the onth.	Total des in esch m	1,510	1,283	1,533	1,310	1,202	1,088	1,875	1,350	1,174	1,360	1,144	1,506		16,315
R SNOW	Number of days on wh'h it fell,	10	13	15	61	13	=	21	œ	∞		œ	Ħ		136
RAIN OR	Amount in sedoni	4.58	2.46	2.16	9.16	2.16	3.03	3.32	2.66	6.01	2.87	2.83	2.48		46.31
	IstoT I mevoM	8,952	8,210	10,128	9,191	7,141	6,657	6,828	6,177			6,411		-	
WIND.	Max'm Velocity	88	88	88	88	\$	æ	88	83	25	8	83	83		
I.M.	Prevailing Direction.	M8	NE	MM	闰	BBW	WSW	WBW	ENE	Ħ	WNW	MM	W		
-nH	Relative Libim	7.	.	.	25	. 88	2	\$.19	.11	.9	.19	.19	9.99	
ER.	Lowest	22	==	19	11	*	21	8	18	22	æ	88	=		
THERMOMETER.	Highest	8	12	19.	\$	88	16	16	æ	æ	4	\$	16		
THE	Мевп.	38.1	38.5	40.0	43.2	6.69	3.0	74.7	11.11	0.89	22.0	41.8	35.7	52.6	
ei.	Lowest.	29.290	099.68	29.287	29.384	29.231	29.201	20.413	29.614	29.440	29.675	29.163	29.638		
BAROMETER.	Highest.	80.679	30.08	30.458	30.621	30.230	30.344	30.388	30.311	30.328	30.512	30.728	30.834		
BAI	Меап.	30.198	30.174	30.055	30.022	29.68	08.68	30.080	30.030	30.100	30.115	30.500	30.176	80.08	
	1874.	January	February	March	April	Мау	June	July	August	September	October	November	December	Mean	Total

Meteorological Summary.—Continued.

	ВА	BAROMETER.	.H.	THE	THERMOMETER.	PER.	-nH	WIND	ЙD.		RAINO	RAIN OR SNOW	tths.
1875.	Mean,	Highest.	Lowest.	Мезп.	Highest.	Lowest.	Felative Libim	Prevailing Direction.	Max'm Velocity	Total Movem't	Amount in inches.	Number of days on wh'h it fell,	Total des m dassari
anuary	30.231	30.787	29.666	1.98	#	ÿ	11.	MM	æ	7,629	5.83	22	1,844
ebruary	30.131	30.671	29.370	1.98	22	Ţ		WW	*	8, 159	8.30	12	1,892
farch	30.104	30.491	38.380	84.6	19	21		Ħ	23	7,278	3.68	16	1,843
\pril	29.978	30.448	29.221	45.5	12	8		WW	*	7,822	5.80	18	1,877
	20.883	30.325	29.457	61.4	88	\$	2	8W	3	7,678	1.36	6	1,896
nne	30.034	30.239	29.711	2.02	8	51	.9	M8	æ	6,544	4.18	14	1,769
uly	29.896	90.320	189.681	74.6	8	19		8W	*	6,200	8.8	11	1,744
\ugust	30.085	30.333	812.62	72.4	88	88	.92	8W	8	6,501	6.43	18	19,26
september	30.085	30.439	29.573	64.1	8	3		Þ	**	6,256	2.53	•	1, 175
otober	30.015	30.222	138.67	58.7	74	æ	9	≱	#	7,256	1.42	00	1,165
November	30.107	30.750	29.238	28.1	8	00	· 8	м	3	7,339	9.40	71	1,092
ecember	30.043	30.743	20.419	84.7	8	4	.92	NW	88	7,664	8.37	14	1,580
Mean.	30.029			20.3			66.7						
Total										85,824	40.12	154	17,805
* Degrees below zero	ow zero												•
* Degrees bel	ow zero												

Meteorological Summary.—Continued.

	Total de	1,402	1,373	1,918	1,336	1,662	1,441	2,523	1,525	1,663	1,565	1,242	1,242		18,892
R SNOW	Number of days on wh'h it fell,	10	16	11	11	6	10	=======================================	•	15	o ô	12	10		181
RAIN OR SNOW	Amount in esedoni	1.52	2.08	6.71	2.16	4.45	2.39	2.10	86.0	8.11	1.06	7.81	1.40		47.38
	Total Total	8,358	8,119	10,264	8,846	7,589	5,847	6,526	5,452	8,143	7,169	8,111	9,206		93,580
Ĕ.	Max'm Velocity	#	8	94	94	\$	æ	9	75	23	\$	æ	2		
WIND	Prevailing Direction.	MS.	WW	WW	Ż	ВW	ВW	, A	Ħ	Œ	WW	田	ww		
-nH	Relative midity	.6		88	:83	.79	.	.8		.11.	.9	.11	3.	9.99	
ER.	Lowest.	15	9	6	88	88	25	8	28	94	31	ន	4		
THERMOMETER.	Highest.	49	∕ 88	8	42	88	88	100	16	88	75	4	69		
THE	Меап.	37.7	34.0	87.4	40.1	6.09	74.3	9.82	74.3	8.8	8.09	42.0	22.2	52.6	
e e	Lowest.	29.534	620.62	29.165	29.543	899.683 683	29.704	79.161	808.67	29.29	29.573	29.541	29.082		
BAROMETER.	Highest.	30.614	30.964	30.540	30.27	30.451	30.218	30.274	30.341	30.381	30.451	30.302	30.683		
BA	Мевп.	30.161	30.131	30.040	30.004	30.054	866.68	866.67	30.061	20.884	30.020	896.68	30.027	30.087	
	1876.	January	February	March	April	Мау	June	July	August	September	October	November	December	Mean	Total

Meteorological Summary.—Continued.

	Total do ar dose al	1,396	1,181	1,314	1,330	1,535	1,252	2,097	1,871	1,065	1,282	1,020	1,202		16,004
R SNOW	Number of days on wh'h	=	9	13	6	6	2	83	œ	œ	11	==	4		113
RAIN OR SNOW	Amount of the state of the stat	3.62	78. 0	3.40	3.68	1.10	5.22	5.58	99.0	2.74	6.52	5.14	8.0		37.28
	Total J'mevoM	6,907	7,907	10,925	8,627	7,449	6,661	6,241	6,059	6, 191	7,371	8,887	7,996		91,591
ē.	Max'm Velocity	25	#	#	8	83	*	88	83	88	8	86	88		
WIND,	Prevailing Direction.	≱,	*	MM	鱼	Z	A	¥	A	W8	ВW	WW	NE		
-nH	Relative midity,	76.	.#0	æ		<u>3</u> 5	.19	.02			74.	.72	.82	68.1	
ER.	Lowest.	∞	16	12	8	#	25	19	æ	\$	#	প্ল	81		
THERMOMETER.	Highest.	8	8	19	8	8	88.	88	88	2 g	2	æ	8		
THE	Мевп.	28.4	6.98	38.3	20.0	4.00	7.17	4.8	75.5	8.99	57.4	46:6	40.6	54.5	
œ.	Lowest,	29.243	20.402	29.130	29.419	29.460	29.611	29.708	689.68	29.718	29.391	29.314	29.342		
BAROMETER,	Highest.	30.647	30.262	30.282	30.408	30.386	907.0g	30.384	877.08	878.08	30.233	80.618	069.08		
BA	Mean.	30.163	30.084	30.001	29.883	20.662	29.881	898.68	79.82 1	30.02	30.062	30.127	30.179	80.08	
	1877.	January	February	March	April	Мау	June	July	August	September	October	November	December	Mean	Total

Meteorological Summary.—Continued.

	adtas dinoi	Total d n each n	1,536	1,235	1,202	1,222	1,346	1,200	1,617	1,572	1,127	1,361	1,153	1, 192		15,743
	R SNOW.	Number ayab to aywh it fell,	12	7	12	12	10	91	œ	7	12	6	6	10		118
	RAIN OR	Amount fi səfoni	3.94	1.64	2.89	2.29	8.8	3.66	4.35	3.83 83.83	96.0	2.04	2.19	3.19		34.53
		Total Movem't	9,005	7,136	8,842	7,366	6,996	7,290	6,712	5,832	6,476	8,358	8,069	8,928		91,010
	WIND.	Max'm Velocity	25	88	94	40	34	\$	88	3 4	88	22	88	88		
	W.	Prevailing Direction.	8W	NW	8 M	MN	WW	EN.	ws	жs	NE	ws.	A	A		
	-ուղ	Relative Tibim	4.	.22	.99	.98	.2	88	. 19	.0	.22	.79	.99	.6	68.5	
	TER.	Lowest.	12	12	16	41	7	49	25		#	88	88	13		
	THERMOMETER,	Highest.	52	28	88	78	88	8 6	16	3 3	8 8	86	83	62		
	ТНІ	Mean.	32.7	32.6	46.4	6.99	0.19	6.49	77.8	73.4	6.49	58.1	44.8	34.2	54.7	
	ER.	.taswo.l	29.432	29.376	29.167	29.52	29.29	29.421	29.296	689.67	29.724	29.306	28.973	28.797		
	BAROMETER.	Highest.	221.08	30.380	30.230	30.328	30.386	30.305	30.198	30.305	30.208	30.404	30.226	30.234		
•	BA	Mean.	30.02	29.976	29.884	808.67	88.67	29.842	896.68	29.882	30.153	30.023	29.991	30.018	29.987	
		1878.	January	February	March	April	Мау	June	July	August	September	October	November	December	Mean	Total

Meteorological Summary.—Continued.

	BÅ	BAROMETER.	IR.	THI	THERMOMETER.	TER.	nų	(W	WIND.		RAIN	RAIN OR SNOW	dts: Ino
1879.	Мевп.	Highest.	Lowest.	Mean.	Highest.	Lowest.	Relative midity.	Prevailing Direction.	Max'm Velocity	Total 1'msvoM	Amount in seden	Number of days on wh'h	Total de
January	80.08	30.238	29.274	6.68	25	\$	72.3	NW	æ	9,246	2.73	-	1,748
February	30.087	20.177	29.245	6.67	8	∞	71.3	WW	æ	8,512	1.19	12	1,363
March	30.108	30.100	28.385	41.3	83	18	9.69	NW	\$	7,539	5.78	15	1,468
April	28.68	30.422	29.388	49.1	86	क्ष	e. 8	WW	25	8,991	4.21	13	1,250
May	30.08	30.208	29-722	9.89	16	42	64.5	8W	23	6,965	1.33	4	1,052
June	85 85 85	30.288	29-480	71.12	88	68	68.5	SW.	8	6,906	6.17	14	1,006
July	29.886	30.588	29-555	9.92	8 8	19	9.99	SW.	&	7,160	3.62	6	1,885
August,	29.961	30.183	29.708	72.7	88	18	73.5	wa	82	6,868	7.13	12	1,345
September	30.144	30.457	29-752	64.4	38	4	71.1	σΩ	88	6,356	1.12	6	1,099
October	30.168	30.816	29.556	61.7	8	껆	6.99	M8	*	6, 132	0.41	9	1,159
November	30.165	30.287	29-472	44.7	75	18	0.89	MN	9	8,263	1.38	7	1,016
December	30.184	30.621	29.611	8.8	19	п	29.3	SW.	83	7,964	4.69	13	1,082
Mean	30.073			9.89			69.5						
										00 00	38.75	198	15, 478

* Degrees below Zero.

Meteorological Summary.—Continued.

													8
25	B.	BAROMETER	EB.	THI	THERMOMETER.	TER.	-ող	W	WIND.		RAIN 0	RAIN OR BNOW	e s ths
1880.	Mean.	Highest.	Јавумо. Ј	Mean.	Highest.	Lowest.	Relative midity	Prevalling Direction.	Max'm Velocity	Total Movem't	Amount in laches.	Yumber agab to anwhh Lifell,	Total d
January	30.190	30.714	29.559	41.0	88	61	75.0	NE	33	6,728	1.21	12	1,465
February	30.120	30.637	20.163	39.1	1 5	13	88.	ww	9	8,256	5. 1 3	2	1,211
March	30.067	30.498	29.348	9.68	92	83	8.49	NE	9	9,643	3.53	10	1,689
April	30.055	30.374	29.543	52.4	8	R	57.1	жs	#	9,624	2.43	9	1,354
May	30.063	30.362	29.764	8.89	96	9 8	29.0	ВW	38	8,367	0.24	9	1,663
June	56.866	30.391	29.62	78.8	\$	51	9.79	≱	35	6,848	1.67	7	1,656
July	29.993	30.196	29.688	9.92	92	8	65.2	жs	22	6,322	7.74	15	1,741
August	30.028	30.447	29.729	72.8	6 6	98	2.02	ВW	33	6,339	2.00	133	1,601
September	30.084	30.379	29.620	4.19	16	28	0.19	MN	8	6,366	1.10	7	1,109
October	30.123	30.448	29.484	55.1	88	32	67.5	жs	88	6,870	1.74	12	1,150
November	30.723	30.776	29.546	40.2	88	10	6.49	ww	322	7,293	1.75	13	1,252
December	30.046	30.208	29.622	9.87	52	ب *	74.3	NW	38	9,555	4.05	11	1,820
Mean	30.082			54.6			8.99						
Total										92, 211	33.58	122	. 17,711

* Degrees below Zero.

Meteorological Summary.—Continued.

) A	BAROMETER	B.	THE	THERMOMETER.	TER.	-nų	W	WIND.		RAINO	RAIN OR SNOW	saths.
1881.	жени.	Highest.	Lowest.	Mean.	Highest.	Jaswo.I	Relative midity	Prevailing Direction.	Max'm Velocity	Total Movem't	Amount ni sadani	Number on wh'h on wh'h	Total do m doas ni
January	30.158	30.708	29.284	32.9	#	-	77.1	M	\$	7, 427	3.66	14	1,527
February	30.158	30.832	29.381	30.7	.19	ij	74.3	z	88	8,052	94.4	=	1,592
March	29.757	30.368	29.067	8.88	.19	ż	72.8	WW	\$	11, 174	8.83	77	1,924
April	29.903	30.408	29.467	48.1	.78	នុំរ	8.19	WN	#	8,514	0.61	91	1,661
May	30.047	30.487	29.294	64.1	26	43.	9.02	B	8	6,781	2.71	#	1,747
June	29.921	30.308	29.664	67.4	89.2	51.	4.02	घ	#	6,967	3.87	17	1,224
July	29.324	80.220	29.640	2.92	æ	.08	8.99	M	প্ত	6,973	96.0	13	1,840
August	30.037	30.321	29.644	12.0	86	.62	1.99	жs	엃	5,343	1.18	30	1,972
September	30.108	30.368	29.826	74.8	101.2	.42	2.12	M	22	5,845	#6.0	7	1,508
October	30.163	30.613	29.531	8.09	.48	.98	70.3	M	쫎	7,081	3.04	10	1,368
November	3).300	30.732	29.691	47.5	69.5	24.	72.4	M	88	5,879	2.03	91	1,338
December	30.175	20.08	29.432	41.7	69.4	31.2	2.72	W	\$	4,887	2.63	15	1,814
Mean	30.021			54.3			6.08						
Total										84,873	30.21	149	19,515

* Degrees below Zero.

TABLE XXXIII.

The annual mean temperature in Philadelphia from 1800 to 1881, inclusive, with the annual amount of rain and snow, in inches, from 1826 to 1881.

YEARS.	Mean annual tem- perature.	Rain in inches.	YEARS.	Mean annual tem- perature.	Rain in incees.
	F1.50			F1.50	
800	51·50 52 00		1841	51·50 52·75	55.50
302	58.20		1843	51.20	47 · 50 46 · 25
303	52.00		1844	53.00	39.00
04	51·00		1845	54.00	40.52
05	51.50		1846	54.00	44.87
06	51.20		1847	58.86	45.08
07	52.00		1848	54.80	35.00
08	52.00		1849	58.10	42.09
09	51.00		1850	54.00	54.24
10	51.00		1851	54:04	35.20
11	52.00 51.00	•••••	1852	54:04	46.20
12	50.20		1853	55·44 55·38	42.96
14	51.00		1855	54.23	45·29 44·65
15	51.25		1856	51.92	33.2
16*	49.00		1857	53.48	48.45
17	52.50	1	1858	55.20	41.06
18	53.00		1859	54.49	54.75
19	51.00		1860	54.12	45.40
20	51.75		1861	54.71	45.41
21	51.50		1862	53.28	45.66
22	53.00		1863	54.13	49.64
23	53.50		1864	54.60	46.78
24	53.75		1865	55.77	53.64
25	54.00 53.00	29:30	1866	54.90 53.41	43.57
26 27	50.00	40.00 39.20	1868	52.83	62·93 50·18
28	54.00	38.20	1869	54.23	44.16
29	58.00	42.00	1870	56.44	43.26
30	52.20	44.75	1871	54.91	45.88
81	58.00	41.00	1872	54.85	49.02
82	51.00	39.25	1873†	51.4	54.62
33	52.50	48.38	1874	52.6	46.31
34	52.25	33.00	1875	50.3	40:24
35	52.00	39.50	1876	52.6 54.2	47.39
36 37	50·25 52·25	43.00 37.10	1877	54.2 54.2	37·36 34·58
38	53.00	44·25	1879	23.6	36.75
89	52.00	44.75	1880	54.6	33.28
340	52.25	47.50	1881	54.2	30.21

^{*}Ice in every month; the coldest year on record in the City; the year without a summer.

[†]From this year observations taken at U.S. Signal Office used in this Departmnt.

TABLE XXXIV.

Recapitulation of returns to this Department for past twentyone years and six months.

			
YEARS.	BIRTHS.	MARRIAGES.	DEATHS.
1860 (6 months)	8,434	2,310	6,342
1861	17,271	4,417	14,468
1862	14,741	4,662	15,097
1863	15,293	5,474	15,788
1864	15,591	6,752	17,582
1865	15,428	6,864	17,169
1866	17,437	7,087	16,803
1867	17,007	6,084	13,933
1868	17,259	6,371	14,693
1869	16,960	6,382	14,786
1870	17,194	6,421	16,750
1871	18,346	6,806	16,993
1872	20,072	6,496	20,544
1873	18,702	7,891	16,736
1874	19,387	6,639	16,315
1875	17,933	6,144	18,909
1876	18,695	5,341	18,892
1877	18,279	6,147	16,004
1878	18,346	6,247	15,743
1879	18,449	5,224	15,473
1880	19,388	6,476	17,711
1881	18,154	7,569	19,515
Totals.	378,366	133,804	*356,246

^{*}Includes still-born, premature births, and deaths from other localities, with the exception of years since 1875.

The above statement shows a complete summary of all returns of births, marriages, and deaths, made to the Department since the law commenced operation, July 1, 1860. Since the year 1875 we have not included still-births, premature births, or bodies brought from other localities, thus showing since that year the actual deaths in the City.

Respectfully submitted,

JOHN E. ADDICKS, Health Officer

Attest:

GEO. E. CHAMBERS,

Registrar.

APPENDIX.

The following valuable statistical information, furnished by the various City Departments at my personal request, is deemed of sufficient importance to merit a place in the addenda.

For the care taken in collecting and collating these facts, I herewith tender my cordial thanks to each and every Depart-

ment of our Municipal Government.

John E. Addicks, *Health Officer*.

Philadelphia is situated in Latitude 39° 57′ N. and 75° 09′ W. The total area is 129,450 square miles, or 82,848 acres.

The greatest elevation in each Ward, above high water, is, viz.: Ward. First—Gerhard N. of McKean street...... 24:49 Third—Lebanon S. of Fitzwater street...... 31.05

 Third—Lebanon S. of Fitzwater street.
 31.05

 Fourth—Emeline W. of Eighth street.
 34.26

 Fifth—St. Mary's E. of Seventh street.
 31.41

 Sixth—Crown N. of Race street.
 37.70

 Seventh—Delancy W. of Twentieth street.
 42.62

 Eighth—Broad S. of Chestnut street.
 43.90

 Ninth—Chestnut W. of Broad street.
 43.45

 Tenth—Jacoby N. of Race.
 41.25

 Eleventh—Third and Brown streets.
 34.75

 Twelfth—Sixth S. of Green street.
 36.00

 Thirteenth—Wallace E. of Tenth street.
 43.60

 Fifteenth-Corner of Vineyard and Perkiomen street......106:00 Sixteenth—Sixth street S. of Girard avenue.................. 34.83 Twenty-sixth—S. of Washington ave. and W. of Twentyfifth street...... 38.73 Twenty-ninth—Bridge street above Columbia avenue and

The length of Paved Streets
The number of Gas Lamps 12,697 The number of Gasoline Lamps 1,449 Total 14,147
The length of River Front on the Delaware river
Total length of River Front
The area of and number of Public Squares is, viz.: Acres
Acres Acres
Total areas

191

Number of Fire Plugs in the City in each Ward.

WARDS.	PLUGS.	WARDS.	PLUGS.	
First	333	Seventeenth	189	
Second	182	Eighteenth	141	
Third	101	Nineteenth	245	
Fourth	118	Twentieth	244	
Fifth	129	Twenty-first	203	
Sixth	118	Twenty-second	195	
Seventh	185	Twenty-third	154	
Eighth	155	Twenty-fourth	468	
Ninth	135	Twenty-fifth	278	
Tenth	122	Twenty-sixth	298	
Eleventh	95	Twenty-seventh	193	
Twelfth	83	Twenty-eighth	206	
Thirteenth	104	Twenty-ninth	- 188	
Fourteenth	107	Thirtieth	274	
Fifteenth	184	Thirty-first	132	
Sixteenth	95			
		Total	*5,654	

^{*} Actual count; the annual report shows 6,026, but no deductions have been made for plugs taken out during the year.

The consumption of Water during the year 1881 averaged 62,-249,366 gallons per day.

The number of dwellings	246,699
Number of miles of City Passenger Railway track	3371

The population (as per U. S. Census) at each decade was as follows, with percentage of deaths to each 1,000 of population.

Years.	Population.	Deaths.	Deaths in 1000
*1800			
1810	110,210	1,897	†17:21
1820	137,097	3,189	23.26
1830	188,797	3,948	20.90
1840	258,037	4,593	17.78
1850	408,762	8,034	19:63
1860	565,529	10,849	19.18
1870	674,022	15,317	22:72
1880	846,980	17,711	20.91

^{*}No record of deaths published.

[†]Still-born and bodies brought from country excluded

VACCINE PHYSICIANS.

First District.

Comprising the First Ward, and that portion of the Twenty-sixth Ward east of Broad street.
DR. L. F. Love
Second District.
Comprising the Second, Third, and Fourth Wards. DR. R. KILLDUFFE
Third District.
Comprising the Thirtieth Ward, and that portion of the Twensixth Ward west of Broad street. DR. T. HUNTERNo. 1500 Wharton street
Fourth District.
Comprising the Fifth Ward, and that portion of the Seventh' and Eighth Wards east of Broad street. DR. PERCIVAL E. LODER
ū
Fifth District.
Comprising the Seventh and Eighth Wards west of Broad street. Dr. S. Hewson BradfordNo. 1905 Pine street
Sixth District.
Comprising the Sixth Ward, and that portion of the Ninth and Tenth Wards east of Broad street. DR. C. A. GroffNo. 215 N. Thirteenth street
Seventh District.
Comprising that portion of the Ninth and Tenth Wards west of Broad street.
Dr. W. H. BAKER,No. 1610 Summer street
Eighth District.
Comprising the Eleventh, Twelfth, and Thirteenth Wards. Dr. A. L. WITTKAMPNo. 117 Green street
Ninth District.
Comprising the Fourteenth and Fifteenth Wards. DR. ALEX. BROWNENo. 630 N. Sixteenth street 26

Tenth District.
Comprising the Sixteenth, Seventeenth, and Twentieth Wards. Dr. S. N. Troth
Eleventh District.
Comprising the Twenty-ninth Ward, and all that portion of the Twenty-eighth Ward west of Twenty-fifth street Dr. A. Graydon
Twelfth District.
Comprising the Eighteenth and Nineteenth Wards. DR. J. L. RIHLNo. 2009 Frankford avenue
Thirteenth District.
Comprising the Thirty-first Ward. Dr. Thomas ShrinerNo. 2204 Faankford avenue
Fourteenth District.
Comprising the Twenty-third Ward and Bridesburg. DR. W. EKWURZELNo. 4629 Frankford avenue
Fifteenth District.
Comprising the Twenty-fifth Ward west of Trenton avenue, ex- cept Bridesburg. Dr. G. L. ThomasNo. 2626 Frankford avenue
Dr. G. L. ThomasNo. 2626 Frankford avenue
Sixteenth District.
Comprising the Twenty-first Ward. DR. W. L. PHILIPSLyceum avenue, Roxborough
Seventeenth District.
Comprising the Twenty-fourth and Twenty-seventh Wards. Dr. HENRY MULLENNo. 100 N. Fortieth street
Eighteenth District.
Comprising the Twenty-second Ward. DR. F. W. ThomasNo. 5659 Germantown avenue
Nineteenth District.



